





TECHNOLOGY DESIGN ENVIRONMENT

Architectural Catalog





DIVISION 08 – OPENINGS



Section 08 14 16 – FLUSH WOOD DOORS

TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.: 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248



In accordance with the rules of the Forest Stewardship Council®. Ask for our FSC® certified products.



THINGS YOU SHOULD KNOW ABOUT LAMBTON DOORS

Lambton Doors manufactures interior wood doors and frames for commercial, architectural and institutional markets, and is located in Lambton, Québec, Canada.

Lambton Doors' is a privately owned company. The employees are available, accessible and most important they have the latitude to make quick decisions.

We are able to match the design pattern of the door veneer with that of the frame veneer both coming from the same tree source.

Our wood doors and frames are available non-rated and fire-rated up to 90 minute.

Our doors are manufactured with a fully bonded and abrasive planed core construction, and come with a lifetime warranty against warping and telegraphing.

> Our products are manufactured in compliance with the Architectural Woodwork Standards, and WDMA I.S. 1-A.

Lambton Doors is a Quality Certification Program Manufacturer, manufacturing in compliance with the Architectural Woodwork Standards, which has been adopted by AWMAC (the Architectural Woodwork Manufacturer's Association of Canada).

Our factory finishing is environmentally safe, utilizing UV-cured, 100% polyurethane solids with no volatile organic compounds (VOCs).

Lambton Doors factory machines for all types of door and frame hardware and offers factory glazing with a variety of non-rated and fire-rated wood lite beads.

Our EnviroDesign[™] Series Doors do not contain any added formaldehyde resins, contain pre-consumer recycled material, are FSC certified, comply with LEED® V4 and are available with a fire rating up to 90 minute.

Our Designer Series Doors offer unlimited design possibilities with sketch-face veneers, wood and metal inlays, applied moulding profiles, inset panels, and much more.

> Lambton Doors manufactures specialty products including acoustical, ASEPTI antimicrobial, lead-lined and bullet resistant doors.

Hardware and frame coordination services are available.

For further information about Lambton Doors and our products, please visit our Web site at www.lambtondoors.com

LD-V02 YT 02/2017

TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) GOM 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.: 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248



ntifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council®. Ask for our FSC® certified products

TECHNOLOGY DESIGN ENVIRONMENT	LAMBTON DOORS 235, 2 nd Avenue Lambton Québec Canada GOM 1H0 T. 418.486.7401 T.1 800 463.3124 (Canada) T.1 800 363.2248 (USA) F. 418.486.7381
REGISTRATION INFORMAT	ΓΙΟΝ
LAMBTON DOORS ARCHITECTURAL CATA	ALOG
Please take a moment to complete, save and send this Regist E-mail to architect.designer@lambtondoors.com	tration Information Form.
Click here if you wish to subscribe to our Newsletter :	🛛 Canada 🛛 🐼 USA
Thank you) @ & C
Name	
E-mail	
Company	
Address	I
Phone	
Fax	
Business Type (ex : Archit	ect Firm, Distributor, etc)

YT - LD V03 - 01/2017



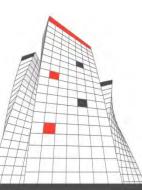


CONTACT US

Access our Contact us webpage for the latest version of our CONTACT US LIST.

WOOD DOOR AND JAMB SOLUTIONS		
TECHNOLOGY DESIGN ENVIRONMENT		
	Lawlence Descript Contact La	
Thank you for your interest in LAMBTON DOORS.	Nante	
Are you an architect or designer th Click here		
For general information-shocks are of the following options to	Company	
contact.ul.		
Mai	Phone	
LAMBTON DOORS	E-mail	-
235 3 nd Avenue Lambton OC		
GDM 1H0 Canada	Message	
Telephone, 418 488-7601		
Toll free: 1 800 463-3124 (Clanada)		
Tall Free 800 363-2248 (LLS:A.)		
FAX: 416 416-7281 foll free: 1 800 561-7483		
Vibu can also contact some resource persons from the following list: title here to consult the list.		
	All fields are required	
Festin as Space		
		Bend
Eusternable development		
	Directions	
Corporate Space		

WWW.LAMBTONDOORS.COM



TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.: 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248



in accordance with the rules of the Forest Stewardship Council®. Ask for our FSC® certified products.



COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD



LD-V01 02/2010

LAMBTON DOORS develops, manufactures and sells high quality and value added interior wood doors and frames of standard and ecological types for the high-end residential, commercial, architectural and institutional markets.

Some of our doors and frames are certified fire-resistant up to 90 minutes. In addition it is possible to coordinate the type of veneer and the design of your frames with your doors.

- Fire-rated
 - STC •
- Lead-lined •
- Bullet-resistant •

Even though our standard products are always available, 1998 marked the beginning of a new green revolution beneficial to the company. Today all of our manufacturing procedures, from the treatment of the waste in the factory to the finished product, are designed to respect the environment and to be in harmony with nature. Several of our products, such as those of the EnviroDesign Series[™] with No Urea Formaldehyde, contribute to the calculation of points for projects in different categories leading up to a LEED[®] certification.

LAMBTON DOORS has carried out many projects throughout North America as well as others internationally. We offer a vast choice of doors and frames for various types of construction: Government and military buildings, head offices, sports complexes, hospitals, hotels, condominiums and offices, schools, colleges, universities, banks and courthouses. We also offer a range of products for the high-end residential market.





Commercial, architectural and institutional



Residential high-end LifeStyle Collection

It is noteworthy that LAMBTON DOORS has set up a rigorous system of standardization and control of its manufacturing procedures, that we offer exclusively doors of maximum endurance since the frame is entirely bonded to the core, that our doors are perfectly calibrated and that we use only composite wood such as laminated wood fiber. This explains why all of our products are guaranteed for life, regardless of the door structure





LAMBTON DOORS started its operations in 1947. Situated on the border between the Eastern Townships and the Beauce in Quebec, Canada, we employ two hundred people. A wide variety of literature is available on demand. You can also visit our Website for more information. *www.lambtondoors.com*

The mission of Lambton Doors is to develop, manufacture and sell high quality and value added interior wood doors and frames, of standard and ecological types, for the commercial, architectural and institutional markets.

These doors and frames meet the various North American building codes, as well as environmental codes when applicable, while respecting the customers' requirements.





COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

Customer Service

Telephone 418 486.7401 1 800 463.3124 (CAN) 1 800 363.2248 (USA)

Fax

418 486.7381 1 800 561.7443 (CAN/USA)

Web

www.lambtondoors.com info@lambtondoors.com

Architects and Designers You can also directly reach us at architect.designer@lambtondoors.com

Mail

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada



Active member of the planetary ecological movement





We believe in protecting ecosystems and the people and wildlife that depend on them.



We believe in a transformed built environment contributing to a sustainable future.



We believe in Good Forestry Stewardship Practices.

The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council A.C.



LAMBTON DOORS: VISION, MISSION AND VALUES

OUR VISION

To be recognized as a premium employer at home and as a choice partner for industry clients and suppliers in North America. To be recognized in the industry for our innovative product offering, which develops ahead of and along with current market trends.

OUR MISSION

At LAMBTON DOORS, our mission is to develop and manufacture high-quality, value-added interior wood doors and frames for our North American commercial, architectural and institutional clients.

To meet our clients' needs and respond to new market opportunities, we focus on the quality of our human resources, use state-of-the-art technologies and offer harmoniously designed, environmentally friendly products.

OUR VALUES

The organizational values espoused by Lambton Doors form the basis for a code of conduct aimed at applying the company's vision and mission.

Respect

Emphasize a work environment that is stimulating and respectful of clients, distributors, agents, suppliers and co-workers in order to positively and effectively promote the progress of every file, both internally and externally.

Fairness

Take responsibility for all of our actions and decisions in a way that is fair, transparent, impartial and in the best interest of all those involved in the file.

Initiative

Display openness and initiative in our work and actively participate in improvement processes to enable the organization to demonstrate a clear superiority over its competitors in the market.

Adaptability

Respond appropriately to unforeseen events and quickly adapt to new realities and market conditions. Display flexibility with regard to proposed solutions, deadlines and timeframes while staying within client budgets.

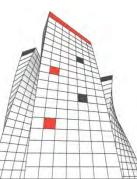
Foresight

Be attentive and far-sighted when it comes to real market needs and trends, whether they are current, emerging, or precursory to the development of solutions or any new product offer.

TECHNOLOGY DESIGN ENVIRONMENT

LD V02 YT 02/2017





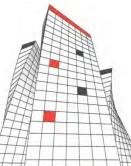


Associations and Certifications

LAMBTON DOORS enthusiastically supports the work of professional associations recognized by the construction industry, especially those representing the commercial and architectural wood door industry in North America. We are aware that these associations play an essential role in promoting growth for all economic stakeholders operating in the sector. We therefore believe that our memberships and certifications with these organizations are one indicator of our commitment and desire to maintain, improve and promote the development and manufacture of long-lasting high-quality products.

We are a member and are certified with the following organizations.





TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.; 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248



LOCATIONS

TECHNOLOGY DESIGN ENVIRONMENT

CATEGORIES



PROJECTS

CANADA PROJECT LISTING

Baie-Saint-Paul	QC HOSPITAL	Hôpital de Baie-Saint-Paul
Belleville	ON HOSPITAL	Belleville General Hospital
Blainville	QC CONDOMINIUMS	Complexe d'appartements locatifs Le Nobilis
Brooklyn	NS SCHOOL	West Hants Middle School
Brossard	QC HOTEL	Hôtel ALT Quartier Dix Trente
Brossard	QC SPORTS COMPLEX	Complexe Sportif Bell des Canadiens de Montréal
Buchingham	QC HOSPITAL	Hôpital de Papineau
Burlington	ON HIGH SCHOOL	Burlington High School
Calgary	AB HOTEL	Hotel Le Germain
Calgary	AB OFFICE TOWER	Bow Tower
Campbellton	NB HOSPITAL	Restigouche Hospital Bloc H
Edmunston	NB SENIOR HOUSING	Les résidences Jodin
Gagetown	NB MILITARY	CFB Gagetown, Barrack Army
Gatineau	QC CITY	Hôtel de ville
Granby	QC BANK	Centre Desjardins
Hamilton	ON HOSPITAL	Hamilton General Hospital
Hamilton	ON UNIVERSITY	McMaster University
Hull	QC CASINO	Casino of Lac-Lemay
Ile des Sœurs	QC CONDOMINIUMS	Condominiums Les Sommets sur le fleuve (Ph 1,2,3 et 4)
Ile des Sœurs	QC CONDOMINIUMS	Condominiums Le Vistal
Kingston	ON HALL	Chown Hall
London	ON RESTAURANTS	Tim Hortons
Malbaie-Pointe-au-Pic	QC HOTEL	Fairmont le manoir Richelieu
Mississauga	ON HOTEL	Radisson Hotel
Mississauga	ON SCHOOL	UTM-Kaneff Building
Moncton	NB HOSPITAL	The Moncton Hospital
Montebello	QC HOTEL	Château Montebello
Montmagny	QC COURTHOUSE	Palais de Justice Montmagny
Montreal	QC BANK	Bank of Montreal
Montreal	QC BANK	Centre de services de cartes Desjardins
Montreal	QC CONDOMINIUMS	Tour Lépine
Montreal	QC HOSPITAL	Jewish General Hospital
Montreal	QC HOTEL	Hôtel Le Crystal de la Montagne

Montreal	QC HOTEL	Montreal Airport Marriott Hotel
Montreal	QC CONCERT HALL	Maison symphonique de Montreal
Montreal	QC OFFICE TOWER	La Caisse de dépôt et placement du Québec
Montreal	QC PROVINCIAL	La Grande Bibliothèque
Montreal	QC UNIVERSITY	Concordia University, John Molson School Business Bldg
Montreal	QC UNIVERSITY	McGill University, New Chancellor Day Hall
Montreal	QC UNIVERSITY	Université de Sherbrooke, Longueuil Campus
Montreal	QC UNIVERSITY	Université Québec à Montréal, Conservatoire musique
Montreal	QC CONCERT HALL	Université Québec à Montréal, Conservatoire musique
Montreal	QC CONDOMINIUMS	Condo M
Montreal	QC HOSPITAL	Hopital CR-CHUM
Montreal	QC HOSPITAL	Hopital Juif
Mont-Tremblant	QC HOTEL	Fairmount Tremblant
Newmarket	ON MEDICAL	Southlake Regional Health (Cancer) Center
Oshawa	ON COURTHOUSE	Durham Courthouse
Ottawa	ON HOSPITAL	Children's Hospital of Eastern Ontario
Ottawa	ON UNIVERSITY	Ottawa University
Peterborough	ON MUNICIPAL	Peterborough Police Headquarter
Québec	QC HOSPITAL	Centre mère-enfant de Québec
Québec	QC UNIVERSITY	Université Laval, Pavillon Vandry
Québec	QC GOVERNMENT	Centre Traîtement Massif Rev.Québec
Québec	QC GOVERNMENT	Régie de l'assurance maladie du Québec (RAMQ)
Richmond Hill	ON THEATRE	Richmond Hill Theatre
Sainte-Anne-de-Bellevue	QC HOSPITAL	Hôpital Sainte-Anne
Sherbrooke	QC HOSPITAL	Les Petites Soeurs de la Sainte-Famille
St-Jérôme	QC UNIVERSITY	Université Québec en Outaouais, Campus Saint-Jérôme
Terrebonne	QC SPORTS GOLF	Golf Le Mirage
Toronto	ON CONDOMINIUMS	Republic Toronto Condos
Toronto	ON HOTEL	550 Wellington West Hotel and Condominiums
Toronto	ON MUNICIPAL	Bellwoods Centre For Community Living
Toronto	ON SPORTS COMPLEX	Air Canada Center
Toronto	ON SPORTS COMPLEX	Exhibition Place
Toronto	ON CONDOMINIUMS	500 Shoreline Condo - Retro - Condo
Toronto	ON CONDOMINIUMS	Chaz Condo
Toronto	ON CONDOMINIUMS	Gotham Condo
Toronto	ON CONDOMINIUMS	Minto - Winter Gardens
Toronto	ON CONDOMINIUMS	Pier 27
Toronto	ON CONDOMINIUMS	X2 Condo
Vancouver	BC CONDOMINIUMS	Bayshore Garden
Vancouver	BC HOTEL	Holiday Inn Richmond
Vancouver	BC HOTEL	Holiday Inn Vancouver Airport
Vancouver	BC HOTEL	The Westin Grand
Vancouver		

Vancouver	BC HOTEL	Delta Vancouver Suites
Victoria	BC SCHOOL	Oak Bay Secondary School
Whistler	BC HOTEL	Westin Hotel
Winchester	ON HOSPITAL	Winchester District Memorial Hospital
Zurich	ON MEDICAL	Blue Water Rest Home

LAMBTON Doors

USA PROJECT LISTING

Apoka	FL	SCHOOL	Charter School
Bahamas	BS	CONVENTION CENTER	Atlantis Bahamas Convention Center
Batavia	OH	CHURCH	St-Baptist Church of Glen Este
Baton Rouge	LA	CITY	Baton Rouge Courthouse
Bluffton	SC	HIGH SCHOOL	Bluffton High School
Boca Raton	FL	CONDOMINIUMS	Las Olas Grand
Boca Raton	FL	UNIVERSITY	Florida Atlantic University Residences
Boston	MA	COLLEGE	Boston College
Boston	MA	OFFICE	Liberty Mutual Phase 3
Boston	MA	HOTEL	Hilton Logan Airport
Boston	MA	HOTEL	Ritz-Carlton Hotel
Boston	MA	OFFICE TOWER	Dana Faber Yawney Center
Boston	MA	OTHER	Liberty Murual Restack
Branson	MO	HIGH SCHOOL	Branson High School
Chicago	IL	OFFICES AND PUBLIC AREA	300 North Lasalle
Chicago	IL	HOTEL	Langham
Chicago	IL	OFFICE TOWER	ABN-AMRO Tower
Columbus	OH	STATE	Attorney General Office (State of Ohio)
Cotulla	ТХ	HOTEL	Ciena Malana Hotel
Dallas	ТХ	HOTEL	Ritz-Carlton Hotel
Denver	CO	HOTEL	The Halcyon Hotel
Exelsior	MN	ELEMENTARY SCHOOL	Exelsior Elementary
Fort Meade	MD	MILITARY	Fort Meade Barracks
Framingham	MA	UNIVERSITY	Framingham State University
Grand rapids	MI	LAW FIRM	Rhoades Mckee
Green Bay	WI	HEAD OFFICE	Chrysler World
Greensboro	NC	HIGH SCHOOL	Bishop McGuinness High School
Harrisonburg	VA	UNIVERSITY	James Madison University, CISAT Project
Houston	ТХ	CONDOMINIUMS	Temenos Place II
Irving	ТХ	OFFICE	Epsilon
Jonesboro	GA	COUNTY	Clayton County Administration Complex
Jupiter	FL	HIGH SCHOOL	Jupiter High School
Key West	FL	HOTEL	Cheeca Lodge
Key West	FL	HOTEL	Faro Blanco Resort
Lakeland	FL	CORPORATE OFFICE TOWER	JBT Food Tech
Lancaster	NH	MEDICAL	Weeks Medical Center

Lawrenceville	NJ	SCHOOL	Lawrenceville School-Hamill and Woodhull Dorms
Lowell	MA	UNIVERSITY	Lowell University / Loretta Bourgeois
Lutz	FL	CONDOMINIUMS	Sienna
Manchester	NH	SCHOOL	St-Anselm's
Mechanicsburg	PA	RESTAURANT	Tim Hortons
Miami	FL	BUILDING OFFICE	Paramount Bay
Miami	FL	CONDOMINIUMS	1060 Brickell
Miami	FL	CONDOMINIUMS	Eloquence on the Bay Condos
Miami	FL	CONDOMINIUMS	Esperito Santo Plaza
Viami	FL	CONDOMINIUMS	Fontainebleau II Condos
Miami	FL	CONDOMINIUMS	Icon Brickell
Miami	FL	CONDOMINIUMS	Jade Ocean Towers
Viami	FL	CONDOMINIUMS	Metropolis at Dadeland
Miami	FL	CONDOMINIUMS	Milano Condominiums
Miami	FL	CONDOMINIUMS	Portofino Towers
Viami	FL	CONDOMINIUMS	Trump Towers
Viami	FL	HOTEL	Fontainebleau
Viami	FL	HOTEL	The Surf Club at Surfside
Viami	FL	HOSPITAL	Homestead Hospital
Viami	FL	OFFICE TOWER	Univision Tower
Viami	FL	HOSPITAL	Baptist Hospital Clark
Vinnetonka	MN	HIGH SCHOOL	Minnetonka Middle East
Naples	FL	CONDOMINIUMS	Aqua Amenity
Naples	FL	CONDOMINIUMS	Aversana Condominiums
Needham Heights	MA	HEAD OFFICE	TripAdvisor
New Castle	DE	FEDERAL	Delaware Air Nat'l Guard
New York City	NY	HOTEL	Ritz-Carlton Hotel Central Park
New York City	NY	HOTEL	Ritz-Carlton Battery Park
New York City	NY	HOTEL	YWCA 610 Lexington Avenue
New York City	NY	OFFICES AND APPARTMENTS	Tower 270 Broadway
New York City	NY	CONDOMINIUMS	One 57
New York City	NY	CONDOMINIUMS AND APPARTS	550 Vanderbilt Avenue
North Field	VT	UNIVERSITY	Norwich University
Northampton	MA	HOSPITAL	Cooley Dickinson Hospital
Orlando	FL	SCHOOL	Goldenrod Charter OLDENROD CHARTER School
Palm Beach Garden	FL	CHURCH	Christ Fellowship
Parkland	FL	SCHOOL	Elementary School Z Inter
Pittsburgh	PA	HEAD OFFICE	Federal Express Ground Headquarters
Raleigh	NC	SCHOOL	Wiggins School of Law
Raymond	NH	SENIOR HOUSING	Elder Services
Rockwall	ТΧ	OFFICE TOWER	Trend Tower
	CA	HOTEL	Ritz-Carlton Hotel
San Francisco	CA		

g - 1A nool ase 2 app Familly
ase 2
app Familly
app Familly
app Familly
app Familly
lium
adium
tal
r
Dhabi

Updated January 2017

Environmental Product Declaration

Lambton doors

Product Description

Type III environmental declaration developed according to ISO 21930 and 14025 for 5-PC-ME Particleboard Core Doors manufactured at Lambton Doors.

Issued November, 2015 Valid until November, 2020







5-PC-ME PARTICLEBOARD CORE DOOR

This EPD is a Cradle-to-Grave life cycle assessment of the potential environmental impacts of the product that was conducted in accordance with ISO 14044.

DESCRIPTION OF THE PRODUCT

Producer

The mission of Lambton Doors is to develop, manufacture and sell high quality and value added interior wood doors and frames, of standard and ecological types, for the commercial, architectural and institutional markets.

These doors and frames meet the Architectural woodwork standards-ED-2 W.D.M.A. SERIES I.S.1-A-2013 ASTM D5456-09 ANSI A208.1. The 5-PC-ME includes recycled content (LEED MRc4.1, 4.2).

Product description

The commercial door 5-PC-ME is an interior wooden door that can be used in non-residential constructions. Main components for the faces are hardwood veneer, for aesthetics, and fiberboard (HDF), to ensure veneer dimensional and physical integrity. The core is composed of structural composite lumber (SCL), more specifically laminated strand lumber (LSL), hardwood and particleboard. The adhesive used for assembling door components, i.e. faces and core, is polyvinyl acetate (PVAc). PVAc VOC emissions are inferior to 0.683 g/L. The product is finished with a UV curable coating on all surfaces.

The core of the 5-PC-ME door is made of a particleboard with formal dehyde emissions ${\leq}0.09$ ppm.



Figure 1: Representation of 5-PC-ME wood doors

Dimensions:

Thickness: 1-3/8" (35 mm), 1-3/4" (44 mm), 2" (51 mm), 2-1/4" (57 mm) Maximum size: 48" * 120" (1219 mm * 3048 mm)

Reference service life: 40 years

Material Composition for 1 wooden door

	Amount (kg)	% of the total weight
Particleboard	31.90	63.1%
HDF	11.10	22.0%
LSL	4.00	7.9%
Wood veneer	1.36	2.7%
Hardwood slats	1.22	2.4%
Vinyl acetate	0.79	1.6%
UV Coating	0.18	<1.0%
TOTAL	50.54	100%

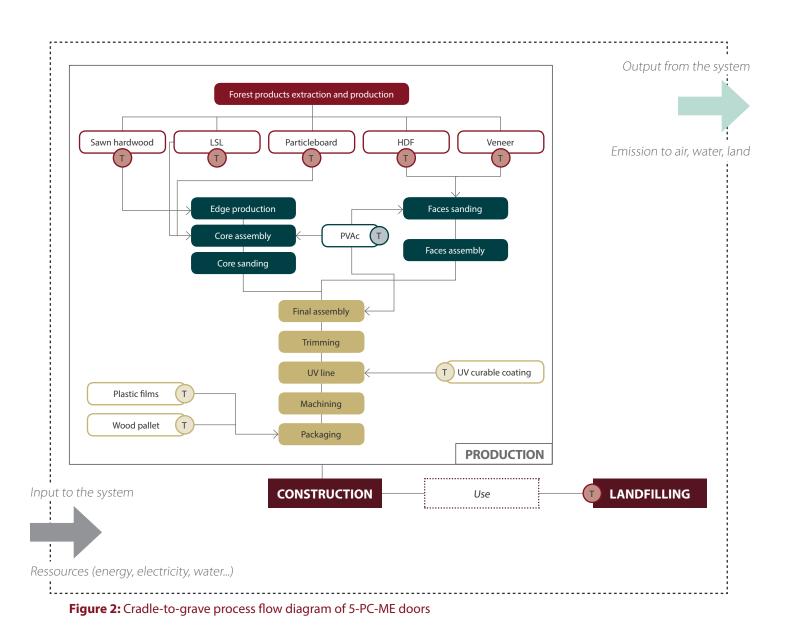
Packaging materials

	Amount
LDPE	118 g/door
Pallet	20 door/pallet

Life Cycle Assessment

Life cycle assessment (LCA) is a rigorous study of inputs and outputs flows over the entire life of a product or process and their associated environmental impact. The underlying peer-reviewed LCA supporting this EPD was performed by the Research Center for Renewable Materials (Laval University, Quebec City) for Lambton doors in 2014. The present LCA is cradle-to-grave, meaning that it includes raw material acquisition, product manufacturing, packaging, construction (shipping and installation), use and end-of-life.

The cradle-to-grave processes are presented by **Figure 2**. Transportation is represented by "T".





Raw material acquisition:

This includes the materials used to produce the 5-PC-ME doors such as LSL, particleboard and HDF and veneer sheets, that are purchased by Lambton doors in customized sizes made specifically for their door product. This step also includes the production of PVAc glues and UV finishing.

Product manufacturing:

The only parts that require on-site transformation are hardwood edges made from sawn hardwood. The basic steps of door manufacturing are the assembly of door components, surface finishing and machining. The inputs and outputs of a door assembly are respectively electricity for the machinery (glue applicators, presses, trimming, sanding), dust and VOCs emission from glues.

Packaging:

The door undergoes two types of packaging before being shipped. The first is to protect the door with an plastic film. The second is to prepare pallets for shipping, where 20 doors are gathered and wrapped with stretch films. Transportation of packaging materials to the manufacturing plant, namely polyethylene films, stretch-films and pallet was considered.

Construction:

This stage includes the delivery of the product to a building site, installation, as well as transport and disposal of plastic film and pallet in a landfill.

Use:

Use of interior doors, in general, does not require energy or cleaning products such as detergents. No maintenance is required. This life cycle stage is empty.

End of life:

At the end of their lives, most wood products are disposed into landfills in Canada (Statistics Canada, 2012). Therefore, a landfill of 100% has been considered in this study. The transportation from the building site to the landfill is considered in this stage.

Functional unit

The closure and separation of two rooms with a communicating surface to be filled of 2.13 m (7 ft) high by 0.91 m (3 ft) wide using a standard interior wooden door with a thickness of 44.5 mm (1,75 in), during the lifetime of the building. The functional unit does not include the possibility to open this volume and using it for passing through the wall.

Reference flows

Product service life of the door is 40 years. The building is 60 years. Then, the current door will be replaced once during the whole building life to fulfill the functional unit. Reference flows of all life cycle stages have been multiplied by 2.

Data sources

The LCA study collected primary data from Lambton doors manufacturing operations in 2012 continuously until 2014.

When primary data were not available, the unit processes were selected from the ecoinvent v2.2 database. In unit processes, electricity grid mixes and transportation have been adapted to the specific context (Quebec, Canada, US or North-America). Besides all background unit processes from ecoinvent have been adapted to a North-American background grid mix.

A report from the Consortium for Research on Renewable Industrial Materials (CORRIM) on prefinished engineered wood flooring manufacture has been used for the modeling of hardwood veneer production (Bergman and Bowe, 2011). The ecoinvent report on LCI of chemicals has also served as a reference for created chemical processes for coating (Althaus et al., 2007).

The lifetime of the building was set as 60 years, in compliance with FPInnovations PCR.

Cut-off rules

According to the PCR, mass and energy flow contributing to less than 1% of the total mass or energy flow can be excluded, provided its environmental contribution is minor (<2%). However, no cut-offs have been applied in the calculations.

Allocation

For the door production, it has been possible to break down the majority of production processes to avoid allocation. Hardwood edges production is a multi-output process and mass allocation factors of 71% and 29% have been applied respectively to "hardwood edges" and co-product "wood residue". Production of wood dust has been considered as a co-product of door production and economic allocation has been applied since wood dust is sold to another company. However, compared to doors prices, wood dust price is very negligible (factor 10-4) and allocation factors have been set to 100% and 0% for doors and dust respectively.

Exclusions

This LCA does not include hardware environmental impacts (production, transportation, nor installation).

Geographical coverage

This study is conducted in a Quebec context, as Lambton Doors is based in Quebec. Some background processes are representative of a North American context.





Treatment of biogenic carbon

In accordance with the PCR, carbon dioxide emissions released from the combustion of woody biomass during production are considered as global warming neutral. This does not apply to other emissions associated with wood combustion such as methane or nitrogen oxides that are considered to have a global warming potential. The amount of carbon stored in wood building products in use and in landfilled wood building products is considered GHG removals in CO₂ equivalents for cradle-to-grave EPDs. GWP credit for carbon storage has been calculated using the FPInnovations PCR Carbon Sequestration B2C Calculator. **Figure 3** depicts how the 100 year timeframe was applied for the GWP calculation.

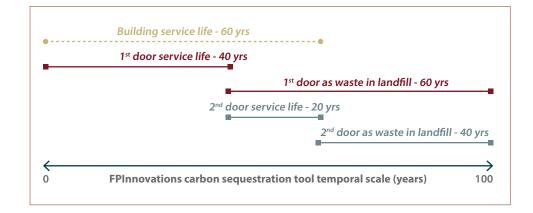


Figure 3: 5-PC-ME Net Global Warming Potential (GWP) Credit Calculation

Table 1 reports the different parameters used for calculating the net GWP credit for5-PC-ME product.

Table 1: 5-PC-ME Calculated Net GWP Credit

Calculation parameters	Quantity for 1 st door	Quantity for 2 nd door	Total per FU (2 life cycles)
Oven dry mass (kg)	42.41	42.41	-
Carbon content of wood (%)	50	50	-
Installation waste (%)	0	0	-
Product service life (years)	40	60 ¹	-
Waste combusted (%)	0	0	-
Waste recycled (%)	0	0	-
Waste landfilled (%)	100	100	-
Initial greenhouse gas			
credit (kg CO ₂ eq)	-77.75	-77.75	-
Total C0 ₂ emissions (kg CO ₂)	17.50	14.48	31.98
Total CH ₄ emissions (kg CH4)	0.50	0.40	0.90
Net GWP credit (kg CO ₂ eq)	-47.67	-53.36	-101.03

¹ The 2nd door is installed in the building at year 40 and reaches its end-of-life after 20 years as the building lifetime is estimated to be 60 years.

LIFE CYCLE ASSESSMENT RESULTS

Environmental Impact Indicators

Environmental impact indicators, namely global warming, acidification, eutrophication, smog creation and ozone depletion have been calculated using the North American impact assessment methodology TRACI v2.1 developed by the US EPA. The impact category indicators from TRACI are summarized in **Table 2**. Total primary energy consumption has been determined using the Cumulative Energy Demand methodology² as a basis.

The consumption of fresh water has been determined using the impact assessment methodology BEES+ v.4.03, more specifically its "water intake" indicator, as suggested in the PCR. A zero factor has been applied to "water, turbine use, unspecified natural origin".

Finally, material resource consumption and waste generation have been quantified from the inventory results.

Table 2: Impact category indicators and reference substances of the TRACI methodology

Impact category indicators	Reference substance	Description
Global Warming	kg CO ₂ eq.	Contribution to global warming for all the substances listed by the IPCC
Acidification	kg H⁺ eq.	Potential impact to increase acidity of soil and water systems
Eutrophication	kg N eq.	Potential fertilization of a surface water where nutrient were previously scarce
Smog	kg O₃ eq.	Potential impact on increasing smog
Ozone	kg CFC-11 eq.	Potential impact on stratospheric ozone depletion

² The method to calculate Cumulative Energy Demand (CED) is based on the method first published by ecoinvent version 1.01 and expanded by PRé Consultants for energy resources available in the SimaPro database. (Frischknecht et al. 2003).



Cradle-to-grave impact assessment results

Environmental impacts and life cycle inventory parameters for door 5-PC-ME are presented in **Table 3**.

Table 3: 5-PC-ME Environmental Impacts, Use of Resources, and Generation of Waste with 2 Life Cycles (Building reference life: 60 years. Product service life: 40 years)

Impact category indicator	Unit	Results per FU
Global Warming Potential	kg CO₂ eq	- 13.78 ³
Acidification potential	kg SO ₂ eq	0.47
Eutrophication potential	kg N eq	0.98
Smog creation potential	kg O₃ eq	9.34
Ozone depletion potential	kg CFC-11 eq	1.29.10-5

Tetal		
Total primary energy		
Non-renewable fossil	MJ	1479
Non-renewable nuclear	MJ	98.01
Renewable (solar, wind, hydroelectric and geothermal)	MJ	93.73
Renewable (biomass)	MJ	2891.00
Feedstock energy, renewable	MJ	1629.00
Total primary energy	MJ	6191.00
Material resources consumption		
Non-renewable materials	kg	61.41
Non-renewable materials (including fuels for energy)	kg	98.17
Renewable materials	kg	143.6
Fresh water	L	613.4

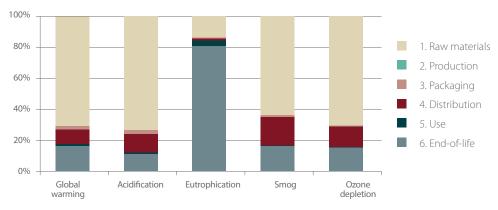
Wastes		
Waste generated	kg	170.9
Hazardous	kg	0.051
Non-hazardous	kg	170.8
Waste directly linked to product	kg	105.1

³ The GWP value provided in table 3 includes the GWP credit calculated in Table 1.



Contribution of the life cycle stages

The contribution of the different life cycle stages of the 5-PC-ME door to the environmental impacts is presented in **Figure 4.**





Raw material acquisition is responsible for more than 60% of the impacts for four (4) impact categories. End-of-life is responsible for more than 80% of the impact on eutrophication. The impacts on GWP presented here do not take into account the GWP credit due to carbon sequestration in wood products: only GHG emissions emitted during the product life cycle are represented here, which corresponds to an impact of 87.25 kg-eq CO_2 .

Figure 5 presents the contribution of the different life cycle stages of the 5-PC-ME door to the energy consumption. Raw material acquisition is the most energy-consuming stage (>60%), no matter the energy source.

Figure 6 shows that 65% of the energy demand for 5-PC-ME doors come from renewable sources.

Finally, raw material acquisition is responsible for 87% of the whole life-cycle water intake, as shown per **Figure 7**.



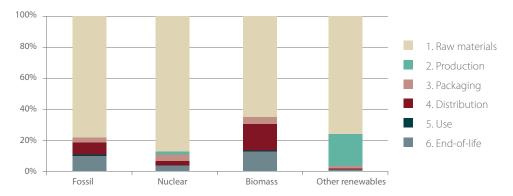


Figure 5: Contribution of the life cycle stages to the energy demand- 5-PC-ME

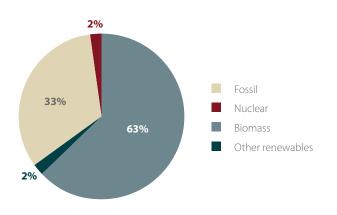
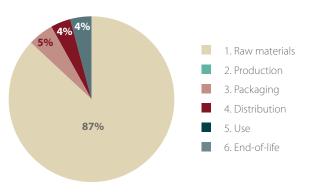


Figure 6: Primary energy consumption by sources - 5-PC-ME





Additional environmental information

Uniboard, particleboard manufacturer for door model 5-PC-ME, is certified against FSC certification. Huber engineered woods LLC, Lambton's supplier for LSL, also holds a compliance certificate for FSC certification.

References

Althaus, H.-J., M. Chudacoff, R. Hischier, N. Jungbluth, M. Osses and A. Primas (2007). Life Cycle Inventories of Chemicals. ecoinvent report No8. Dübendorf, CH, E. Dübendorf, Swiss Centre for Life Cycle Inventories. 957pp.

Bare, J. C. and T. P. Gloria (2008). Environmental impact assessment taxonomy providing comprehensive coverage of midpoints, endpoints, damages, and areas of protection. *Journal of Cleaner Production* 16: 1021-1035.

Bergman, R. and S. Bowe (2011). Life-Cycle Inventory of manufacturing prefinished engineered wood flooring in the Eastern United States. CORRIM. 47pp.

Cobut, Aline. (2014). Cradle to grave life cycle assessment - three models of commercial interior wooden doors.

FPInnovations (2013). Product Category Rules. North American structural and architectural wood products. Version 1.1. 22pp.

Frischknecht, R., N. Jungbluth et al. (2003). Implementation of Life Cycle Impact Assessment Methods. Final report ecoinvent 2000, Swiss Centre for LCI. Dübendorf, CH, www.ecoinvent.org.

ISO (2006a). ISO 14025:2006 - Environmental labels and declarations. Type III environmental declarations -- Principles and procedures.

ISO (2006b). ISO 14044. Environmental management -- Life cycle assessment --Requirements and guidelines. Geneva, Switzerland, International Organisation for Standardisation: 46.

Statistics Canada (2012). Waste management in Canada, in Human Activity and the Environment. Catalogue no. 16-201-X. Minister of Industry. Ottawa, ON, Canada. 46pp.



About this EPD

PCR: North American Structural and Architectural Wood Products. November 2011. Prepared by FPInnovations and available at *www.fpinnovations.ca.*

The LCA and the EPD produced by Vertima and Ellio with guidance from FPInnovations.

Program Operator:

EPD Owner:

FPInnovations 2665 East Mall Vancouver, BC V6T 1W5 1 (604) 224 3221 www.fpinnovations.ca LAMBTON DOORS 235, 2^{ème} Avenue Lambton, Qc G0M 1H0 1 (418) 486-7401

EPDs do not address all aspects of sustainability concerns. As an example, they do not cover the social impacts of a product, or the site-specific environmental impacts as would an environmental impact analysis.

EPDs can be compared only if they are based on the same function and reference service life, quantified by the same functional unit in the form of their reference flows. EPDs from different programs may not be comparable.

Type III environmental product declarations intended for business-to-consumer communication shall be available to the consumer at the point of purchase.

5-PC-ME product technical sheet and explanatory materials on the background LCA can be found at *www.lambtondoors.com*.

Declared product

Door 5-PC-ME

Reference PCR

Product Category Rules (PCR) for preparing an Environmental Product Declaration for North American Structural and Architectural Wood Products v1.1. FP Innovation May 2013.

PCR Review was conducted by:

Wayne Trusty, Wayne Trusty and Associates Limited wtrusty@sympatico.com

This declaration was independently verified in accordance with ISO 14 025 by

□ INTERNAL ⊠ EXTERNAL

Lal Mahalle FPInnovations, 2665 East Mall,

Vancouver, BC V6T 1W5

Issued November, 2015 Valid until November, 2020

5 Ply Doors - Agrifiber Core (AG) - EnviroDesign[™] Series by Lambton Doors

CLASSIFICATION: 081416

Health Product Declaration v2.0

created via: HPDC Online Builder

Section 1: Summary

CONTENT INVENTORY

Threshold per
material
100 ppm
• 1,000 ppm
O Per GHS SDS
Per OSHA MSDS
Other

Residuals and impurities considered in 7 of 7 materials 9 see Section 2: Material Notes 9 see Section 5: General Notes Based on the selected Content Inventory Threshold:

Characterized Are the Percent Weight and Role provided for all substances?	⊙ Yes	O No
Screened Are all substances screened using Priority Hazard Lists with results disclosed?	⊙ Yes	O No
Identified Are all substances disclosed by Name (Specific or Generic) and Identifier?	⊙ Yes	O No

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY GREENSCREEN SCORE | HAZARD TYPE

AGRIFIBER DOOR CORE [WHEAT STRAW UNK POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN] LOW-EMITTING CROSSBAND (NO-ADDED FORMALDEHYDE) [WOOD DUST -UNSPECIFIED UNK POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN SLACK WAX (PETROLEUM) LT-1 | CAN | MUL] STILES AND RAILS [WOOD FIBER - UNSPECIFIED UNK POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN PARAFFIN LT-UNK] VENEER [MAPLE UNK] HARDWOOD EDGES [MAPLE UNK] ADHESIVES [POLYVINYL ACETATE (PVA) LT-UNK ALUMINUM NITRATE, 9-HYDRATE LT-UNK | RES BUTYL CARBITOL ACETATE LT-UNK *VINYL ACETATE* LT-P1 | CAN | PHY | END | MUL] UV FINISHES [TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | EYE | SKI | AQU | MUL TALC LT-UNK | CAN MAGNESITE LT-UNK DIPROPYLENE GLYCOL DIACRYLATE LT-UNK BISPHENOL A-EPICHLOROHYDRIN ACRYLATE LT-UNK TRIMETHYLOLPROPANE TRIACRYLATE LT-UNK | EYE | SKI | RES SILICA, AMORPHOUS LT-UNK 1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL- LT-UNK QUARTZ LT-1 | CAN 1,6-HEXANEDIOL DIACRYLATE LT-UNK | EYE | SKI | MUL 2,2'-(METHYLIMINO)BISETHANOL LT-UNK | EYE] Number of Greenscreen BM-4/BM3 contents....... 0

Contents highest concern GreenScreen Benchmark or List translator Score......LT-1

Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

Lambton Doors' products do not contain impurities. Products have been screened at a 1,000 ppm level so that all potential residuals that could have existed in raw materials (wood, adhesives, agrifiber panel, wood panels and finishes), at that level, have been disclosed.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE Sustainable forestry: Forest Stewardship Council ®

See Section 3 for additional listings.

 Self-Published*
 VERIFIER:
 SCREENING DATE: November 29, 2016
 EXPIRY DATE*: November 29, 2019

 Third Party Verified
 VERIFICATION #:
 RELEASE DATE: February 2, 2017
 * or within 3 months of significant change in product contents

 *See HPDC website for details
 *

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

WHEAT STRAW			ID:	
%: 94.0000	GS: UNK	RC: PreC	NANO: NO	ROLE: Main componer Filler
HAZARDS:		AGE	NCY(IES) WITH WARNING	S:
None Found		No v	varnings found on HPD Priorit	ty lists
		es from different suppliers a en used as baseline scena	and can the agricultural fibers rio.	can be sourced either from
POLYMERIC MDI (PMD	I)		ID: 9016-8	87-9
%: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder
HAZARDS:		AGE	NCY(IES) WITH WARNING	5:
RESPIRATORY	AOEC - Asth	magens	Asthmagen (G)	- generally accepted
RESTRICTED LIST	US EPA - PP	T Chemical Action Plans	EPA Chemical c	of Concern - Action Plan publish
RESPIRATORY	US EPA - PP	T Chemical Action Plans	Inhalation sensit damage	tizer causing asthma and lung
CANCER	МАК		-	up 4 - Non-genotoxic carcinoge der MAK/BAT levels
RESPIRATORY	МАК		Sensitizing Subs	stance Sah - Danger of airway & n
		ane Diilscyante (MDI).		

Material Notes: Door crossband is a high-density fiberboard (HDF) without any added formaldehyde.

WOOD DUST - UNSPECIFIED

ID:

HAZARDS:		AGENC	(IES) WITH WARNINGS	S:		
None Found	No warnings found on HPD Priority lists					
SUBSTANCE NOTES: Se	ee Material notes					
POLYMERIC MDI (PMDI))		ID: 9016-8	87-9		
%: 3.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder		
HAZARDS:		AGENC	(IES) WITH WARNINGS	S:		
RESPIRATORY	AOEC - Asth	magens	Asthmagen (G)	- generally accepted		
RESTRICTED LIST	US EPA - PF	PT Chemical Action Plans	EPA Chemical c	of Concern - Action Plan publish		
RESPIRATORY	US EPA - PPT Chemical Action Plans Inhalation sensitizer ca damage			tizer causing asthma and lung		
CANCER	MAK			Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels		
RESPIRATORY	МАК		Sensitizing Subs skin sensitizatio			
RESPIRATORY SUBSTANCE NOTES: No		resin				
	o-added formaldehyde	resin				
SUBSTANCE NOTES: No	o-added formaldehyde	resin RC: None	skin sensitizatio	n		
SUBSTANCE NOTES: No SLACK WAX (PETROLE)	o-added formaldehyde UM)	RC: None	skin sensitizatio	n 2-61-6 ROLE: Hydrophobic agent		
SUBSTANCE NOTES: No SLACK WAX (PETROLE) %: 0.0000 - 1.0000	o-added formaldehyde UM)	RC: None	skin sensitizatio ID: 64742 NANO: NO	n P-61-6 ROLE: Hydrophobic agent S:		
SUBSTANCE NOTES: No SLACK WAX (PETROLE %: 0.0000 - 1.0000 HAZARDS:	o-added formaldehyde UM) GS: LT-1 EU - R-phras	RC: None	skin sensitizatio ID: 64742 NANO: NO /(IES) WITH WARNINGS	n P-61-6 ROLE: Hydrophobic agent S: e cancer		
SUBSTANCE NOTES: No SLACK WAX (PETROLE) %: 0.0000 - 1.0000 HAZARDS: CANCER	o-added formaldehyde UM) GS: LT-1 EU - R-phras EU - GHS (H	RC: None AGENC	skin sensitizatio ID: 64742 NANO: NO 7(IES) WITH WARNINGS R45 - May caus H350 - May cau Carcinogen Cate	n P-61-6 ROLE: Hydrophobic agent S: e cancer		
SUBSTANCE NOTES: No SLACK WAX (PETROLE) %: 0.0000 - 1.0000 HAZARDS: CANCER CANCER	o-added formaldehyde UM) GS: LT-1 EU - R-phras EU - GHS (H	RC: None AGENCY ess -Statements) Annex XVII CMRs	skin sensitization ID: 64742 NANO: NO Y(IES) WITH WARNINGS R45 - May cause H350 - May cause Carcinogen Cate should be regard man	n ROLE: Hydrophobic agent ROLE: Hydrophobic agent se cancer se cancer egory 2 - Substances which		
SUBSTANCE NOTES: No SLACK WAX (PETROLE) %: 0.0000 - 1.0000 HAZARDS: CANCER CANCER CANCER	o-added formaldehyde UM) GS: LT-1 EU - R-phras EU - GHS (H EU - REACH ChemSec - S	RC: None AGENCY ess -Statements) Annex XVII CMRs	skin sensitization ID: 64742 NANO: NO Y(IES) WITH WARNINGS R45 - May cause H350 - May cause Carcinogen Cate should be regard man CMR - Carcinog Toxicant	n P-61-6 ROLE: Hydrophobic agent S: e cancer se cancer egory 2 - Substances which ded as if they are Carcinogenic		

WOOD FIBER - UNSPE	CIFIED		ID:			
%: 93.0000 - 95.0000	GS: UNK	RC: None	NANO: NO	ROLE: Main component Filler		
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	5:		
None Found		No w	arnings found on HPD Priorit	y lists		
SUBSTANCE NOTES: N	May vary depending on p	product				
POLYMERIC MDI (PMD	91)		ID: 9016-8	37-9		
%: 4.0000 - 6.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder		
HAZARDS:		AGEI	NCY(IES) WITH WARNINGS	S:		
RESPIRATORY	AOEC - Asth	magens	Asthmagen (G)	- generally accepted		
RESTRICTED LIST	US EPA - PP	PT Chemical Action Plans	EPA Chemical o	f Concern - Action Plan published		
RESPIRATORY	US EPA - PF	PT Chemical Action Plans	ans Inhalation sensitizer causing asthma and lung damage			
CANCER	MAK			up 4 - Non-genotoxic carcinogen ler MAK/BAT levels		
RESPIRATORY	МАК		Sensitizing Subs	stance Sah - Danger of airway & n		
SUBSTANCE NOTES: F	Polymeric Diphenylmeth	ane Diisocyanate. Concentr	ation may vary depending or	n product.		
PARAFFIN			ID: 8002-7	74-2		
%: 0.0000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Hydrophobic agent		
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	3:		
None Found	No warnings found on HPD Priority lists					
SUBSTANCE NOTES: I	May vary depending on p	product				
EER Itory Threshold: 100 ppm		2.9000 siduals Considered: Yes	HPD URL:			

MAPLE	ID:						
%: 100.0000	GS: UNK RC: None NANO: NO ROLE: Decorative la						
HAZARDS:	AGENCY(IES) WITH WARNINGS:						
None Found	No warnings found on HPD Priority lists						
SUBSTANCE NOTES:	See Material notes						
DWOOD EDGES		%: 2.6100 Residuals Considered: Yes	HPD URL:				
		variety of wood species, but Ma	aple has been chosen as b	paseline scenario			
MAPLE			ID:				
%: 100.0000	GS: UNK	RC: None	NANO: NO	ROLE: Decorative edges			
HAZARDS:		AGENC	Y(IES) WITH WARNINGS	S:			
None Found SUBSTANCE NOTES:	See Material notes	%: 0.1000 - 1.0000	HPC) URL:			
None Found SUBSTANCE NOTES: IESIVES Intory Threshold: 1000 pp erial Notes: Adhesives are	om e used throughout the pr	%: 0.1000 - 1.0000 Residuals Considered: Ye	es				
None Found SUBSTANCE NOTES: IESIVES Intory Threshold: 1000 pp	om e used throughout the pr	%: 0.1000 - 1.0000 Residuals Considered: Ye	es	nesives. PVAc = Polyvinyl Acetate			
None Found SUBSTANCE NOTES: IESIVES Intory Threshold: 1000 pp erial Notes: Adhesives are	om e used throughout the pr	%: 0.1000 - 1.0000 Residuals Considered: Ye	es ey are all PVAc-based adh	nesives. PVAc = Polyvinyl Acetate			
None Found SUBSTANCE NOTES: IESIVES Intory Threshold: 1000 pp prial Notes: Adhesives are POLYVINYL ACETATE	om e used throughout the pr E (PVA)	%: 0.1000 - 1.0000 Residuals Considered: Ye roduction line for assembly. The RC: None	es ey are all PVAc-based adh ID: 9003-2	nesives. PVAc = Polyvinyl Acetate 20-7 ROLE: Main constituent			
None Found SUBSTANCE NOTES: IESIVES Intory Threshold: 1000 pp erial Notes: Adhesives are POLYVINYL ACETATE %: 94.0000 - 99.0000	om e used throughout the pr E (PVA)	%: 0.1000 - 1.0000 Residuals Considered: Ye roduction line for assembly. The RC: None AGENC	es ey are all PVAc-based adh ID: 9003-: NANO: NO	nesives. PVAc = Polyvinyl Acetate 20-7 ROLE: Main constituent S :			
None Found SUBSTANCE NOTES: IESIVES Intory Threshold: 1000 pp Irial Notes: Adhesives are POLYVINYL ACETATE %: 94.0000 - 99.0000 HAZARDS: None Found	om e used throughout the pr E (PVA) GS: LT-UNK	%: 0.1000 - 1.0000 Residuals Considered: Ye roduction line for assembly. The RC: None AGENC	es ey are all PVAc-based adh ID: 9003-2 NANO: NO Y(IES) WITH WARNINGS nings found on HPD Priorit	nesives. PVAc = Polyvinyl Acetate 20-7 ROLE: Main constituent S :			
None Found SUBSTANCE NOTES: IESIVES Intory Threshold: 1000 pp Irial Notes: Adhesives are POLYVINYL ACETATE %: 94.0000 - 99.0000 HAZARDS: None Found	om e used throughout the pr E (PVA) GS: LT-UNK	%: 0.1000 - 1.0000 Residuals Considered: Ye roduction line for assembly. The RC: None AGENC No warr	es ey are all PVAc-based adh ID: 9003-2 NANO: NO Y(IES) WITH WARNINGS nings found on HPD Priorit	nesives. PVAc = Polyvinyl Acetate 20-7 ROLE: Main constituent S: ty lists			
None Found SUBSTANCE NOTES: Description of the second second second second second second second second substance notes:	om e used throughout the pr E (PVA) GS: LT-UNK	%: 0.1000 - 1.0000 Residuals Considered: Ye roduction line for assembly. The RC: None AGENC No warr	es ey are all PVAc-based adh ID: 9003-2 NANO: NO EY(IES) WITH WARNINGS nings found on HPD Priorit	nesives. PVAc = Polyvinyl Acetate 20-7 ROLE: Main constituent S: ty lists			
None Found SUBSTANCE NOTES: IESIVES ntory Threshold: 1000 pp prial Notes: Adhesives are POLYVINYL ACETATE %: 94.0000 - 99.0000 HAZARDS: None Found SUBSTANCE NOTES: ALUMINUM NITRATE,	om e used throughout the pr E (PVA) GS: LT-UNK Concentration may vary 9-HYDRATE	%: 0.1000 - 1.0000 Residuals Considered: Ye roduction line for assembly. The RC: None AGENC No warr r from a PVAc-based adhesive f RC: None	es ey are all PVAc-based adh ID: 9003-2 NANO: NO EY(IES) WITH WARNINGS hings found on HPD Priorit to another ID: 7784-2	nesives. PVAc = Polyvinyl Acetate 20-7 ROLE: Main constituent 5: ty lists 27-2 ROLE: Catalyst			

%: 0.0000 - 3.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Additive
HAZARDS:		AGENC	Y(IES) WITH WARNINGS	3 :
None Found		No warr	ings found on HPD Priori	ty lists
SUBSTANCE NOTES: 0	Only present in one of th	e three PVAc-based adhesive	s. Ranges from 1% to 3%	in the actual adhesive.
VINYL ACETATE			ID: 108-0	5-4
%: Impurity/Residual	GS: LT-P1	RC: None	NANO: NO	ROLE: Impurity/Residu
HAZARDS:		AGENC	Y(IES) WITH WARNING	S:
CANCER	IARC		Group 2b - Poss	sibly carcinogenic to humans
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H	-Statements)	H225 - Highly fla	ammable liquid and vapour
CANCER	EU - GHS (H	l-Statements)	H351 - Suspecte	ed of causing cancer
ENDOCRINE	TEDX - Pote	ntial Endocrine Disruptors	Potential Endoc	rine Disruptor
MULTIPLE	German FEA	- Substances Hazardous to V	/aters Class 2 - Hazar	d to Waters
CANCER	МАК			up 3A - Evidence of carcinogen ufficient to establish MAK/BAT
SUBSTANCE NOTES: (Only present in one of th	e three PVAc-based adhesive	s. Under 0.1% in the actua	al adhesive.
FINISHES		%: 0.1000 - 1.0000	HPD	URL:
ntory Threshold: 1000 ppr	n	Residuals Considered: Yes	/ISDSs of all four layers of	

TRIPROPYLENE GLYCOL DIACRYLATE			ID: 42978-66-5		
%: 5.0000 - 60.0000	GS: LT-P1 RC: None NANO: NO ROLE: Reag				
HAZARDS:		AG	ENCY(IES) WITH WARNINGS	:	
EYE IRRITATION	EU - R-phrases		R36 - Irritating to) eyes	
SKIN IRRITATION	EU - R-phrases		R38 - Irritating to	o skin	
SKIN SENSITIZE	EU - R-phrases		R43 - May cause	e sensitization by skin contact	
ACUTE AQUATIC	EU - R-phrases		R51 - Toxic to A	quatic Organisms	

CHRON AQUATIC	EU - GHS (H-S	tatements)	H411	- Toxic to aquat	ic life with long lasting effects	
SKIN IRRITATION	EU - GHS (H-S	tatements)	H315	- Causes skin ir	ritation	
SKIN IRRITATION	EU - GHS (H-S	EU - GHS (H-Statements)			H317 - May cause an allergic skin reaction	
EYE IRRITATION	EU - GHS (H-S	EU - GHS (H-Statements)			H319 - Causes serious eye irritation	
MULTIPLE	German FEA -	Substances Hazardous t	o Waters Class	2 - Hazard to W	/aters	
SKIN SENSITIZE	МАК			itizing Substance tization	e Sh - Danger of skin	
SUBSTANCE NOTES: (Composition varies among	layers				
TALC				ID: 14807-96-6		
%: 5.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: N	10	ROLE: Filler	
HAZARDS:		AGE	NCY(IES) WITH V	VARNINGS:		
CANCER	MAK				B - Evidence of carcinogenic ent for classification	
SUBSTANCE NOTES: (Composition varies among	layers				
MAGNESITE				ID: 546-93-0		
%: 0.1000 - 1.0000	GS: LT-UNK	RC: None	NANO: N	10	ROLE: Filler	
HAZARDS:		AGE	NCY(IES) WITH V	VARNINGS:		
None Found		No w	arnings found on I	HPD Priority lists	5	
SUBSTANCE NOTES: (Composition varies among	layers				
DIPROPYLENE GLYCC	DL DIACRYLATE			ID: 57472-68-1		
%: 0.0000 - 60.0000	GS: LT-UNK	RC: None	NANO: N		ROLE: Reagent	
HAZARDS:		AGE	NCY(IES) WITH V	VARNINGS:		
None Found		No w	varnings found on I	HPD Priority lists	5	
SUBSTANCE NOTES: 0	Composition varies among	layers				
BISPHENOL A-EPICHL	OROHYDRIN ACRYLATE			ID: 55818-57-0		

%: 0.0000 - 60.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found		No	No warnings found on HPD Priority lists	
SUBSTANCE NOTES: C	omposition varies amon	ıg layers		
TRIMETHYLOLPROPANE TRIACRYLATE			ID: 15625-89-5	
%: 0.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:		AG	ENCY(IES) WITH WARNINGS	:
EYE IRRITATION	EU - R-phrases		R36 - Irritating to eyes	
SKIN IRRITATION	EU - R-phrases		R38 - Irritating to skin	
SKIN SENSITIZE	EU - R-phrases		R43 - May cause sensitization by skin contact	
RESPIRATORY	AOEC - Asthmagens		Asthmagen (Rs) - sensitizer-induced	
RESPIRATORY	AOEC - Asthmagens		Asthmagen (Rr) - irritant-induced	
SKIN IRRITATION	EU - GHS (H-Statements)		H315 - Causes skin irritation	
SKIN IRRITATION	EU - GHS (H-Statements)		H317 - May cause an allergic skin reaction	
EYE IRRITATION	EU - GHS (H-Statements)		H319 - Causes serious eye irritation	
SKIN SENSITIZE	МАК		Sensitizing Substance Sh - Danger of skin sensitization	
SUBSTANCE NOTES: C	omposition varies amon	ig layers		
SILICA, AMORPHOUS	OUS		ID: 7631-86-9	
%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Nucleating age
HAZARDS:		AG	ENCY(IES) WITH WARNINGS	:
None Found		No	No warnings found on HPD Priority lists	
SUBSTANCE NOTES: C	omposition varies amon	g layers		
1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-			ID: 7473-98-5	
		RC: None	NANO: NO	ROLE: Reagent
%: 0.0000 - 5.0000	GS: LT-UNK	NC. None		

QUARTZ		ID: 14808-60-7		
%: 0.0000 - 10.0000	GS: LT-1 RC: None	NANO: NO	ROLE: Filler	
HAZARDS:	AGENCY(IE	S) WITH WARNING	S:	
CANCER	IARC	Group 1 - Agent	t is Carcinogenic to humans	
CANCER	US CDC - Occupational Carcinogens	Occupational Ca	arcinogen	
CANCER	CA EPA - Prop 65	Carcinogen (for exposure pathw	m-specific or based on limited rays)	
CANCER	IARC		is carcinogenic to humans - cupational sources	
CANCER	US NIH - Report on Carcinogens	Known to be Hu occupational se	ıman Carcinogen (respirable size tting)	
CANCER	МАК	Carcinogen Gro cancer in man	up 1 - Substances that cause	
	Composition varies among layers			
SUBSTANCE NOTES: (1,6-HEXANEDIOL DIAC		ID: 13048		
		ID: 13048 NANO: NO	8-33-4 ROLE: Reagent	
1,6-HEXANEDIOL DIAC	GS: LT-P1 RC: None		ROLE: Reagent	
1,6-HEXANEDIOL DIAC %: 0.0000 - 10.0000	GS: LT-P1 RC: None	NANO: NO	ROLE: Reagent	
1,6-HEXANEDIOL DIAC %: 0.0000 - 10.0000 HAZARDS:	GS: LT-P1 RC: None	NANO: NO S) WITH WARNING:	ROLE: Reagent S: o eyes	
1,6-HEXANEDIOL DIAC %: 0.0000 - 10.0000 HAZARDS: EYE IRRITATION	GS: LT-P1 RC: None AGENCY(IES EU - R-phrases	NANO: NO S) WITH WARNING R36 - Irritating t R38 - Irritating t	ROLE: Reagent S: o eyes	
1,6-HEXANEDIOL DIAC %: 0.0000 - 10.0000 HAZARDS: EYE IRRITATION SKIN IRRITATION	RYLATE GS: LT-P1 RC: None AGENCY(IES EU - R-phrases EU - R-phrases	NANO: NO S) WITH WARNING R36 - Irritating t R38 - Irritating t	ROLE: Reagent S: o eyes o skin e sensitization by skin contact	
1,6-HEXANEDIOL DIAC %: 0.0000 - 10.0000 HAZARDS: EYE IRRITATION SKIN IRRITATION SKIN SENSITIZE	RYLATE GS: LT-P1 RC: None AGENCY(IES EU - R-phrases EU - R-phrases EU - R-phrases	NANO: NO S) WITH WARNING: R36 - Irritating to R38 - Irritating to R43 - May caus H315 - Causes	ROLE: Reagent S: o eyes o skin e sensitization by skin contact	
1,6-HEXANEDIOL DIAC %: 0.0000 - 10.0000 HAZARDS: EYE IRRITATION SKIN IRRITATION SKIN SENSITIZE SKIN IRRITATION	RYLATE GS: LT-P1 RC: None AGENCY(IES EU - R-phrases EU - R-phrases	NANO: NO S) WITH WARNING: R36 - Irritating t R38 - Irritating t R43 - May caus H315 - Causes H317 - May cau	ROLE: Reagent S: o eyes o skin e sensitization by skin contact skin irritation	
1,6-HEXANEDIOL DIAC %: 0.0000 - 10.0000 HAZARDS: EYE IRRITATION SKIN IRRITATION SKIN SENSITIZE SKIN IRRITATION SKIN IRRITATION	RYLATE GS: LT-P1 RC: None AGENCY(IES EU - R-phrases EU - R-phrases EU - R-phrases EU - R-phrases EU - GHS (H-Statements) EU - GHS (H-Statements)	NANO: NO S) WITH WARNING: R36 - Irritating to R38 - Irritating to R43 - May caus H315 - Causes H317 - May caus H319 - Causes	ROLE: Reagent S: o eyes o skin e sensitization by skin contact skin irritation se an allergic skin reaction serious eye irritation	

SUBSTANCE NOTES: Composition varies among layers

6: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent
AZARDS:		AGE	ENCY(IES) WITH WARNINGS	S:
YE IRRITATION	EU - R-phrases	5	R36 - Irritating to	o eyes
EYE IRRITATION	EU - GHS (H-S	Statements)	H319 - Causes	serious eye irritation

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

SUSTAINABLE FORESTRY

CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: 235 Second Avenue Lambton G0M 1H0 Quebec CANADA CERTIFICATE URL: http://info.fsc.org/details.php?id=a0240000005sQmLAAU&type=certificate&return=certificate.php CERTIFICATION AND COMPLIANCE NOTES:

+ Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

ALL ACCESSORIES

HPD URL: No HPD link provided

ISSUE

DATE:

2013-

09-20

Forest Stewardship Council ®

EXPIRY

2018-09-

DATE:

19

CERTIFIER

OR LAB:

Alliance

Rainforest

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Please consult Lambton Doors' website for more information on available accessories: http://www.lambtondoors.com/architects-space/technical-space/options-and-accessories/

Section 5: General Notes

See "INVENTORY AND SCREENING NOTES" for information on Residuals/Impurities.

MANUFACTURER INFORMATION

MANUFACTURER: Lambton Doors

ADDRESS: 235 2nd Avenue Lambton, Quebec G0M 1H0 Canada

WEBSITE: www.lambtondoors.com

CONTACT NAME: Keven Campagna TITLE: R&D Supervisor PHONE: 4184867401 EMAIL: keven.campagna@lambtondoors.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet GHS SDS Globally Harmonized System of Classi cation and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity CAN Cancer DEV Developmental toxicity END Endocrine activity EYE Eye irritation/corrosivity GEN Gene mutation GLO Global warming MAM Mammalian/systemic/organ toxicity MUL Multiple hazards NEU Neurotoxicity OZO Ozone depletion PBT Persistent Bioaccumulative Toxic

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspeci ed (insu cient data to benchmark)

Recycled Types

PreC Preconsumer (Post-Industrial) PostC Postconsumer Both Both Preconsumer and Postconsumer Unk Inclusion of recycled content is unknown None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party) Independent Lab Manufacturer's self-declaration using results from an independent lab Second Party Verification by trade association or other interested party Third Party Verification by independent certifier Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator, and when available, full GreenScreen assessments. The HPD Open Standard does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.

PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN Land Toxicity
NF Not found on Priority Hazard Lists

LT-P1 List Translator Possible Benchmark 1 LT-1 List Translator Likely Benchmark 1 LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark) UNK Unknown (no data on List Translator Lists)



TECHNOLOGY DESIGN ENVIRONMENT

C. Français

Visit our Website

www.lambtondoors.com



Subscribe to our Newsletter, click here Canada USA



Watch our **Corporate Video**



AMBTON

2216-11-16-10-16,21 GOING FORWARD (1) LAMBTON DOORS NEW LAMETON GOORS sourceas as NEW CORPORATE LOOK and

over the next year we will be gradually updating our Manture with the new logistype and corporate image. Our inspiration in developing this new CONTEMPORARY AND MODERN (suite)

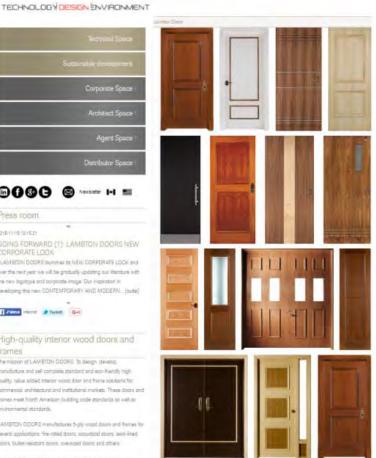
Talma insons @ Tweet. Get

High-quality interior wood doors and frames

The mission of LAMSTON COORS. Th design, develop, manufacture and sell complete standard and eco-friendly high quality, value added interior wood door and frame solutions for operation architectural and institutional markets. These doors and frames meet North American building code grandants as well as environmental standarde.

LAMBTON DDDRS menufactures 5-ply wood doors and frames for several applications fire-rated doors accurtized doors land-lined doors, builet-realizant doors, oversized doors and others.

Ar LAMETON DOORS, we believe in a transformed built



5 Ply Doors - Mineral Core (FD) - EnviroDesign™ Series by Lambton Doors

PRODUCT DESCRIPTION: THIS HPD COVERS LAMBTON DOORS' ENVIRODESIGN™ SERIES OF 5 PLY DOORS WITH A MINERAL CORE. IN PARTICULAR, IT COVERS THE FOLLOWING PRODUCT MODELS: 5-FD60/90-EME/ECE/EBE AND 5-STC32-EME/ECE/EBE. PLEASE NOTE THAT THIS HPD DOES NOT COVER JAMBS AND FIXTURES

Health Product Declaration v2.0

created via: HPDC Online Builder

Section 1: Summary

CONTENT INVENTORY

Threshold per
material
100 ppm
• 1,000 ppm
O Per GHS SDS
Per OSHA MSDS
Other

Based on the selected Content Inventory Threshold:

impurities	Characterized	Ο	0
considered in	Are the Percent Weight and Role provided for all substances?	Yes	No
7 of 7 materials • see Section 2: Material Notes	Screened Are all substances screened using Priority Hazard Lists with results disclosed?	⊙ Yes	O No
• see Section 5: General Notes	Identified Are all substances disclosed by Name (Specific or Generic) and Identifier?	⊙ Yes	O No

CONTENT IN DESCENDING ORDER OF QUANTITY

Residuals and

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY **GREENSCREEN SCORE | HAZARD TYPE**

MINERAL CORE [PERLITE LT-UNK CALCIUM SULFATE DIHYDRATE LT-UNK SODIUM SILICATE LT-UNK PORTLAND CEMENT LT-UNK | CAN QUARTZ LT-1 | CAN POLY(VINYL ALCOHOL) LT-UNK SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) LT-UNK CAN] LOW-EMITTING CROSSBAND (NO-ADDED FORMALDEHYDE) [WOOD DUST -UNSPECIFIED UNK POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN SLACK WAX (PETROLEUM) LT-1 | CAN | MUL] MINERAL STILES AND RAILS [CALCIUM SULFATE DIHYDRATE LT-UNK CELLULOSE, MICROCRYSTALLINE UNK SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) LT-UNK | CAN QUARTZ LT-1 | CAN VERMICULITE UNK] VENEER [MAPLE UNK] HARDWOOD EDGES [MAPLE UNK] ADHESIVES [POLYVINYL ACETATE (PVA) LT-UNK ALUMINUM NITRATE, 9-HYDRATE LT-UNK | RES BUTYL CARBITOL ACETATE LT-UNK VINYL ACETATE LT-P1 | CAN | PHY | END | MUL] UV FINISHES TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | EYE | SKI | AQU | MUL TALC LT-UNK | CAN MAGNESITE LT-UNK DIPROPYLENE GLYCOL DIACRYLATE LT-UNK BISPHENOL A-EPICHLOROHYDRIN ACRYLATE LT-UNK TRIMETHYLOLPROPANE TRIACRYLATE LT-UNK EYE | SKI | RES SILICA, AMORPHOUS LT-UNK 1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL- LT-UNK QUARTZ LT-1 | CAN 1,6-HEXANEDIOL DIACRYLATE LT-P1 | EYE | SKI | MUL 2,2'-(METHYLIMINO)BISETHANOL LT-UNK | EYE]

Number of Greenscreen BM-

4/BM3 contents...... 0 Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1

Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

Lambton Doors' products do not contain impurities. Products have been screened at a 1,000 ppm level so that all potential residuals that could have existed in raw materials (wood, adhesives, firerated panels, wood panels and finishes), at that level, have been disclosed.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.



See Section 3 for additional listings.

• Self-Published* SCREENING DATE: November 29, 2016 EXPIRY DATE*: November 29, 2019 O Third Party Verified RELEASE DATE: February 2, 2017 *See HPDC website for details

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

Inve	ERAL CORE ntory Threshold: 1000 ppm erial Notes: Core for fire doo	%: 60.0700 HPD URL: Residuals Considered: Yes ors.			
	PERLITE			ID: 93763-70-3	
	%: 40.0000 - 70.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Mineral core: ingredient #1
	HAZARDS:			AGENCY(IES) WITH WARNINGS:	
	None Found			No warnings found on HPD Priority lists	
	SUBSTANCE NOTES: Se	ee Material notes			
	CALCIUM SULFATE DIH	YDRATE		ID: 10101-41-4	
	%: 15.0000 - 40.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Mineral core: ingredient #2
	HAZARDS:			AGENCY(IES) WITH WARNINGS:	
	None Found			No warnings found on HPD Priority lists	
	SUBSTANCE NOTES: G	ypsum			
	SODIUM SILICATE			ID: 1344-09-8	
	%: 10.0000 - 30.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Mineral core: ingredient #3
	HAZARDS:			AGENCY(IES) WITH WARNINGS:	
	None Found			No warnings found on HPD Priority lists	
	SUBSTANCE NOTES: Se	ee Material notes			
_	PORTLAND CEMENT			ID: 65997-15-1	

%: 7.0000 - 13.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Mineral core: ingredient #4	
HAZARDS:		AGEN	ICY(IES) WITH WARNINGS	:	
CANCER	МАК		Carcinogen Grou effects but not su	up 3B - Evidence of carcinogen ufficient for classification	
SUBSTANCE NOTES: S	ee Material notes				
QUARTZ			ID: 14808-	60-7	
%: 1.0000 - 5.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Mineral core: ingredient #5	
HAZARDS:		AGEN	ICY(IES) WITH WARNINGS	:	
CANCER	IARC		Group 1 - Agent	is Carcinogenic to humans	
CANCER	US CDC - Oc	cupational Carcinogens	Occupational Ca	rcinogen	
CANCER	CA EPA - Pro	p 65	Carcinogen - spe exposure route	ecific to chemical form or	
CANCER	IARC		Group 1: Agent is carcinogenic to humans - inhaled from occupational sources Known to be Human Carcinogen (respirable siz occupational setting)		
CANCER	US NIH - Rep	ort on Carcinogens			
CANCER	МАК		Carcinogen Grou cancer in man	up 1 - Substances that cause	
SUBSTANCE NOTES: S	ee Material notes				
POLY(VINYL ALCOHOL)	1		ID: 9002-8	9-5	
%: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Mineral core: ingredient #6	
HAZARDS:		AGEN	ICY(IES) WITH WARNINGS	:	
None Found		No wa	rnings found on HPD Priority	y lists	
SUBSTANCE NOTES: S	ee Material notes				
SOLID GLASS AND GLA	.SS / MINERAL FIBER (SEE VARIANTS)	ID: 65997-	-17-3	
%: 0.5000 - 1.5000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Mineral core: ingredient #7	

HAZARDS:		AGENCY(IES) WITH WARNINGS:
CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effe
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
SUBSTANCE NOTES: S	See Material notes	
ntory Threshold: 1000 ppn	ID (NO-ADDED FORMALDEHYDE) %: 20 n Resid nd is a high-density fiberboard (HDF) without a	als Considered: Yes
WOOD DUST - UNSPEC	CIFIED	ID:
%: 93.0000 - 97.0000	GS: UNK RC: PreC	NANO: NO ROLE: Main filler
HAZARDS:		AGENCY(IES) WITH WARNINGS:
None Found		No warnings found on HPD Priority lists
SUBSTANCE NOTES: S	See Material notes	
POLYMERIC MDI (PMD	1)	ID: 9016-87-9
%: 3.0000 - 5.0000	GS: LT-UNK RC: None	NANO: NO ROLE: Binder
HAZARDS:		AGENCY(IES) WITH WARNINGS:
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
RESTRICTED LIST	US EPA - PPT Chemical Action P	ns EPA Chemical of Concern - Action Plan pub
RESPIRATORY	US EPA - PPT Chemical Action P	ns Inhalation sensitizer causing asthma and lun damage
CANCER	МАК	Carcinogen Group 4 - Non-genotoxic carcino with low risk under MAK/BAT levels
RESPIRATORY	МАК	Sensitizing Substance Sah - Danger of airwas skin sensitization
SUBSTANCE NOTES: N	No-added formaldehyde resin	
SLACK WAX (PETROLE	EUM)	ID: 64742-61-6
%: 0.0000 - 1.0000	GS: LT-1 RC: None	NANO: NO ROLE: Hydrophobio agent
HAZARDS:		AGENCY(IES) WITH WARNINGS:

	CANCER	EU - R-phrases		R45 - May cause cancer			
	CANCER	EU - GHS (H-Stateme	ents)	H350 - May cause cano	cer		
	CANCER	EU - REACH Annex >	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man				
	MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant				
	MULTIPLE	ULTIPLE German FEA - Substances Hazardous to Waters			Class 3 - Severe Hazard to Waters		
	CANCER EU - Annex VI CMRs			Carcinogen Category 1B - Presumed Carcinogen based on animal evidence			
	SUBSTANCE NOTES: See Mate	erial notes					
	ERAL STILES AND RAILS	%: 15.2200 HPE Residuals Considered: `	D URL:				
	ntory Threshold: 1000 ppm erial Notes: Component for fire doo						
	CALCIUM SULFATE DIHYDRAT	TE		ID: 10101-41-4			
	%: 60.0000 - 100.0000 GS:	LT-UNK F	RC: None N.	ANO: NO	ROLE: Mineral components: ingredient #1		
	HAZARDS:		6) WITH WARNINGS:				
	HAZARDS:		AGENCY(IES)	WITH WARNINGS:			
-	None Found			nd on HPD Priority lists			
-		erial notes					
_	None Found	erial notes					
	None Found						
-	None Found SUBSTANCE NOTES: See Mate	LINE	No warnings fou	nd on HPD Priority lists	ROLE: Mineral components: ingredient #2		
-	None Found SUBSTANCE NOTES: See Mate	LINE	No warnings fou	ID: 9004-34-6	components: ingredient		
-	None Found SUBSTANCE NOTES: See Mate CELLULOSE, MICROCRYSTAL %: 5.0000 - 10.0000 GS:	LINE	No warnings fou RC: None NA AGENCY(IES) N	ID: 9004-34-6	components: ingredient		
	None Found SUBSTANCE NOTES: See Mate CELLULOSE, MICROCRYSTAL %: 5.0000 - 10.0000 GS: HAZARDS:	LINE UNK F	No warnings fou RC: None NA AGENCY(IES) N	ID: 9004-34-6 ANO: NO	components: ingredient		
	None Found SUBSTANCE NOTES: See Mate CELLULOSE, MICROCRYSTAL %: 5.0000 - 10.0000 GS: HAZARDS: None Found	LINE UNK F	No warnings fou RC: None NA AGENCY(IES) N	ID: 9004-34-6 ANO: NO	components: ingredient		
	None Found SUBSTANCE NOTES: See Mate CELLULOSE, MICROCRYSTAL %: 5.0000 - 10.0000 GS: HAZARDS: None Found	LINE UNK F	No warnings fou RC: None N AGENCY(IES) N No warnings fou	ID: 9004-34-6 ANO: NO	components: ingredient		
	None Found SUBSTANCE NOTES: See Mate CELLULOSE, MICROCRYSTAL %: 5.0000 - 10.0000 GS: HAZARDS: None Found SUBSTANCE NOTES: See Mate SOLID GLASS AND GLASS / M	LINE UNK F erial notes	No warnings fou RC: None N. AGENCY(IES) N No warnings fou ARIANTS)	ID: 9004-34-6 ANO: NO NITH WARNINGS: IND on HPD Priority lists	components: ingredient		

	AGENCY(IES) WITH WARNINGS:					
CANCER	EU - R-phrases	R40 - Limited Evi	dence of Carcinogenic Effects			
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer				
SUBSTANCE NOTES:	Continuous filament glass fibers					
QUARTZ		ID: 14808-	60-7			
%: 1.0000 - 5.0000	GS: LT-1 RC: None	NANO: NO	ROLE: Mineral components: ingredient #4			
HAZARDS:	AGENC	Y(IES) WITH WARNINGS				
CANCER	IARC	Group 1 - Agent i	s Carcinogenic to humans			
CANCER	US CDC - Occupational Carcinogens	Occupational Car	cinogen			
CANCER	CA EPA - Prop 65	Carcinogen - spe exposure route	cific to chemical form or			
CANCER	IARC	Group 1: Agent is inhaled from occu	carcinogenic to humans - upational sources			
CANCER	US NIH - Report on Carcinogens	Known to be Hun occupational sett	nan Carcinogen (respirable size			
			ng)			
CANCER	МАК	· .	ng) p 1 - Substances that cause			
	Crystalline silica. Manufacturer's statement: The weigh	Carcinogen Grou cancer in man	p 1 - Substances that cause			
SUBSTANCE NOTES:	Crystalline silica. Manufacturer's statement: The weigh	Carcinogen Grou cancer in man	p 1 - Substances that cause a represents total crystalline			
SUBSTANCE NOTES: silica and not the respir	Crystalline silica. Manufacturer's statement: The weigh	Carcinogen Grou cancer in man t percent for crystalline silic	p 1 - Substances that cause a represents total crystalline 0-9 ROLE: Mineral			
SUBSTANCE NOTES: silica and not the respir	Crystalline silica. Manufacturer's statement: The weigh able fraction. GS: UNK RC: None	Carcinogen Grou cancer in man t percent for crystalline silic ID: 1318-0	p 1 - Substances that cause a represents total crystalline D-9 ROLE: Mineral components: ingredient #5			
SUBSTANCE NOTES: silica and not the respir VERMICULITE %: 1.0000 - 5.0000	Crystalline silica. Manufacturer's statement: The weigh able fraction. GS: UNK RC: None AGENC	Carcinogen Grou cancer in man t percent for crystalline silic ID: 1318-00 NANO: NO	p 1 - Substances that cause a represents total crystalline 0-9 ROLE: Mineral components: ingredient #5			
SUBSTANCE NOTES: silica and not the respir VERMICULITE %: 1.0000 - 5.0000 HAZARDS:	Crystalline silica. Manufacturer's statement: The weigh able fraction. GS: UNK RC: None AGENC No warr	Carcinogen Grou cancer in man t percent for crystalline silic ID: 1318-0 NANO: NO	p 1 - Substances that cause a represents total crystalline 0-9 ROLE: Mineral components: ingredient #5			
SUBSTANCE NOTES: silica and not the respir VERMICULITE %: 1.0000 - 5.0000 HAZARDS: None Found	Crystalline silica. Manufacturer's statement: The weigh able fraction. GS: UNK RC: None AGENC No warr See Material notes	Carcinogen Grou cancer in man t percent for crystalline silic ID: 1318-0 NANO: NO	p 1 - Substances that cause a represents total crystalline 0-9 ROLE: Mineral components: ingredient #5			
SUBSTANCE NOTES: silica and not the respir VERMICULITE %: 1.0000 - 5.0000 HAZARDS: None Found SUBSTANCE NOTES: EER	Crystalline silica. Manufacturer's statement: The weigh able fraction. GS: UNK RC: None AGENC No warr See Material notes %: 2.4500	Carcinogen Grou cancer in man t percent for crystalline silic ID: 1318-00 NANO: NO SY(IES) WITH WARNINGS hings found on HPD Priority	p 1 - Substances that cause a represents total crystalline 0-9 ROLE: Mineral components: ingredient #5			

%: 100.0000						
HAZARDS:	OS: AGENCY(IES) WITH WARNINGS:					
None Found		Nov	varnings found on HPD Priorit	y lists		
SUBSTANCE NOTES	S: See Material notes					
DWOOD EDGES		%: 2.2100 Residuals Considered: Ye	HPD URL:			
			, t Maple has been chosen as b	paseline scenario.		
MAPLE			ID:			
%: 100.0000	GS: UNK	RC: None	NANO: NO	ROLE: Decorative edg		
HAZARDS:		AGI	NCY(IES) WITH WARNINGS):		
None Found		Nov	varnings found on HPD Priorit	y lists		
SUBSTANCE NOTES	S: See Material notes					
IESIVES htory Threshold: 1000 p erial Notes: Adhesives a	ppm	%: 0.1000 - 1.0000 Residuals Considered oduction line for assembly.	: Yes	URL: esives. PVAc = Polyvinyl Acet		
ntory Threshold: 1000 p	opm are used throughout the pro	Residuals Considered	: Yes	esives. PVAc = Polyvinyl Acet		
ntory Threshold: 1000 p rial Notes: Adhesives a	opm are used throughout the pro	Residuals Considered	: Yes They are all PVAc-based adh	esives. PVAc = Polyvinyl Aceta 20-7		
ntory Threshold: 1000 p rial Notes: Adhesives a POLYVINYL ACETAT	opm are used throughout the pro	Residuals Considered oduction line for assembly. RC: None	: Yes They are all PVAc-based adh ID: 9003-2	esives. PVAc = Polyvinyl Aceta 20-7 ROLE: Main constitue		
ntory Threshold: 1000 p rial Notes: Adhesives a POLYVINYL ACETAT %: 94.0000 - 99.0000	opm are used throughout the pro	Residuals Considered oduction line for assembly. RC: None AGI	: Yes They are all PVAc-based adh ID: 9003-2 NANO: NO	esives. PVAc = Polyvinyl Aceta 20-7 ROLE: Main constitue		
htory Threshold: 1000 p rial Notes: Adhesives a POLYVINYL ACETAT %: 94.0000 - 99.0000 HAZARDS: None Found	opm are used throughout the pro	Residuals Considered oduction line for assembly. RC: None AGI	: Yes They are all PVAc-based adh ID: 9003-2 NANO: NO ENCY(IES) WITH WARNINGS varnings found on HPD Priority	esives. PVAc = Polyvinyl Acet 20-7 ROLE: Main constitue		
htory Threshold: 1000 p erial Notes: Adhesives a POLYVINYL ACETAT %: 94.0000 - 99.0000 HAZARDS: None Found	opm are used throughout the pro TE (PVA) GS: LT-UNK	Residuals Considered oduction line for assembly. RC: None AGI	: Yes They are all PVAc-based adh ID: 9003-2 NANO: NO ENCY(IES) WITH WARNINGS varnings found on HPD Priority	esives. PVAc = Polyvinyl Acet 20-7 ROLE: Main constitue S: y lists		
htory Threshold: 1000 p rial Notes: Adhesives a POLYVINYL ACETAT %: 94.0000 - 99.0000 HAZARDS: None Found SUBSTANCE NOTES	opm are used throughout the pro TE (PVA) GS: LT-UNK	Residuals Considered oduction line for assembly. RC: None AGI	: Yes They are all PVAc-based adh ID: 9003-2 NANO: NO ENCY(IES) WITH WARNINGS varnings found on HPD Priority ve to another	esives. PVAc = Polyvinyl Acet 20-7 ROLE: Main constitue S: y lists		
ALUMINUM NITRATE	opm are used throughout the pro TE (PVA) GS: LT-UNK S: Concentration may vary E, 9-HYDRATE	Residuals Considered oduction line for assembly. RC: None AGI No v from a PVAc-based adhes RC: None	: Yes They are all PVAc-based adh ID: 9003-2 NANO: NO ENCY(IES) WITH WARNINGS varnings found on HPD Priority ve to another ID: 7784-2	esives. PVAc = Polyvinyl Aceta 20-7 ROLE: Main constitue 3: y lists 27-2 ROLE: Catalyst		
ALUMINUM NITRATE %: 0.0000 - 6.0000	opm are used throughout the pro TE (PVA) GS: LT-UNK S: Concentration may vary E, 9-HYDRATE	Residuals Considered oduction line for assembly. RC: None AGE No v from a PVAc-based adhes RC: None AGE	: Yes They are all PVAc-based adh ID: 9003-2 NANO: NO ENCY(IES) WITH WARNINGS varnings found on HPD Priority ve to another ID: 7784-2 NANO: NO ENCY(IES) WITH WARNINGS	esives. PVAc = Polyvinyl Acet 20-7 ROLE: Main constitue 3: y lists 27-2 ROLE: Catalyst		

	TATE		ID: 124-17-4		
%: 0.0000 - 3.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Additive	
HAZARDS:		AGENCY(IES) WITH WARNING	S:	
None Found		No warning	No warnings found on HPD Priority lists		
SUBSTANCE NOTES: (Dnly present in one of the	e three PVAc-based adhesives. I	Ranges from 1% to 3%	in the actual adhesive.	
VINYL ACETATE			ID: 108-0	5-4	
%: Impurity/Residual	GS: LT-P1	RC: None	NANO: NO	ROLE: Impurity/Residu	
HAZARDS:		AGENCY(IES) WITH WARNING	S:	
CANCER	IARC		Group 2b - Pos	sibly carcinogenic to humans	
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-	Statements)	H225 - Highly fl	ammable liquid and vapour	
CANCER	EU - GHS (H-	Statements)	H351 - Suspect	ed of causing cancer	
ENDOCRINE	TEDX - Poter	ntial Endocrine Disruptors	Potential Endoc	Potential Endocrine Disruptor	
MULTIPLE	German FEA	- Substances Hazardous to Wat	ers Class 2 - Hazar	d to Waters	
0411055	MAIZ		Carcinogen Gro	oup 3A - Evidence of carcinogen	
CANCER	МАК			sufficient to establish MAK/BAT	
		e three PVAc-based adhesives.	effects but not s value	sufficient to establish MAK/BAT	
		e three PVAc-based adhesives. I %: 0.1000 - 1.0000	effects but not s value Jnder 0.1% in the actu	sufficient to establish MAK/BAT	
SUBSTANCE NOTES: (INISHES Intory Threshold: 1000 ppr rial Notes: UV cured finisi	Dnly present in one of the n hes (100% solids). Inven		effects but not s value Jnder 0.1% in the actu HPD DS of all four layers of	sufficient to establish MAK/BĀT al adhesive. URL: product (1 layer = 1 UV curable	
SUBSTANCE NOTES: (INISHES Intory Threshold: 1000 ppr rial Notes: UV cured finisi	Dnly present in one of the n hes (100% solids). Inven in total). All products hav	%: 0.1000 - 1.0000 Residuals Considered: Yes tory of substances based on MS	effects but not s value Jnder 0.1% in the actu HPD DS of all four layers of	sufficient to establish MAK/BĀT al adhesive. URL: product (1 layer = 1 UV curable ory.	
SUBSTANCE NOTES: C FINISHES htory Threshold: 1000 ppr rial Notes: UV cured finisl uct, 4 layers (4 products)	Dnly present in one of the n hes (100% solids). Inven in total). All products hav	%: 0.1000 - 1.0000 Residuals Considered: Yes tory of substances based on MS	effects but not s value Jnder 0.1% in the actu HPD DS of all four layers of I to simplify the invento	sufficient to establish MAK/BĀT al adhesive. URL: product (1 layer = 1 UV curable ory.	
SUBSTANCE NOTES: C FINISHES notory Threshold: 1000 ppr rial Notes: UV cured finish uct, 4 layers (4 products) TRIPROPYLENE GLYC	Dnly present in one of the n hes (100% solids). Inven in total). All products hav OL DIACRYLATE	%: 0.1000 - 1.0000 Residuals Considered: Yes tory of substances based on MS e been merged into one materia RC: None	effects but not s value Jnder 0.1% in the actu HPD DS of all four layers of I to simplify the invento ID: 42978	sufficient to establish MAK/BAT al adhesive. URL: product (1 layer = 1 UV curable ory. 3-66-5 ROLE: Reagent	
SUBSTANCE NOTES: C FINISHES htory Threshold: 1000 ppr rial Notes: UV cured finisl uct, 4 layers (4 products) TRIPROPYLENE GLYC %: 5.0000 - 60.0000	Dnly present in one of the n hes (100% solids). Inven in total). All products hav OL DIACRYLATE	%: 0.1000 - 1.0000 Residuals Considered: Yes tory of substances based on MS re been merged into one materia RC: None RC: None	effects but not s value Under 0.1% in the actu HPD DS of all four layers of I to simplify the invento ID: 42978 NANO: NO	al adhesive. URL: product (1 layer = 1 UV curable ry. 3-66-5 ROLE: Reagent S:	
SUBSTANCE NOTES: C FINISHES htory Threshold: 1000 ppr rial Notes: UV cured finisl uct, 4 layers (4 products) TRIPROPYLENE GLYC %: 5.0000 - 60.0000 HAZARDS:	Dnly present in one of the n hes (100% solids). Inven in total). All products hav OL DIACRYLATE GS: LT-P1	%: 0.1000 - 1.0000 Residuals Considered: Yes tory of substances based on MS e been merged into one materia RC: None RC: None AGENCY(effects but not s value Jnder 0.1% in the actu HPD DS of all four layers of I to simplify the invento ID: 42978 NANO: NO	sufficient to establish MAK/BAT al adhesive. URL: product (1 layer = 1 UV curable ory. 3-66-5 ROLE: Reagent S: o eyes	
SUBSTANCE NOTES: C FINISHES htory Threshold: 1000 ppr rial Notes: UV cured finisl uct, 4 layers (4 products) TRIPROPYLENE GLYC %: 5.0000 - 60.0000 HAZARDS: EYE IRRITATION	Dnly present in one of the n hes (100% solids). Inven in total). All products hav OL DIACRYLATE GS: LT-P1 EU - R-phrase	%: 0.1000 - 1.0000 Residuals Considered: Yes tory of substances based on MS re been merged into one materia RC: None AGENCY(es	effects but not s value Jnder 0.1% in the actu HPD DS of all four layers of I to simplify the invento ID: 42978 NANO: NO IES) WITH WARNING R36 - Irritating t R38 - Irritating t	sufficient to establish MAK/BĀT al adhesive. URL: product (1 layer = 1 UV curable ny. 3-66-5 ROLE: Reagent S: o eyes	
SUBSTANCE NOTES: C FINISHES httory Threshold: 1000 ppr rial Notes: UV cured finisi uct, 4 layers (4 products) TRIPROPYLENE GLYC %: 5.0000 - 60.0000 HAZARDS: EYE IRRITATION SKIN IRRITATION	Dnly present in one of the n hes (100% solids). Inven in total). All products hav OL DIACRYLATE GS: LT-P1 EU - R-phrase EU - R-phrase	%: 0.1000 - 1.0000 Residuals Considered: Yes tory of substances based on MS e been merged into one materia RC: None AGENCY(es es	effects but not s value Under 0.1% in the actu HPD DS of all four layers of I to simplify the invento ID: 42978 NANO: NO IES) WITH WARNING R36 - Irritating t R38 - Irritating t R38 - Irritating t	sufficient to establish MAK/BAT al adhesive. URL: product (1 layer = 1 UV curable ry. 3-66-5 ROLE: Reagent S: o eyes o skin	

SKIN IRRITATION	EU - GHS (H	-Statements)	H315 - Causes s	H315 - Causes skin irritation		
SKIN IRRITATION	EU - GHS (H	-Statements)	H317 - May caus	se an allergic skin reaction		
EYE IRRITATION	EU - GHS (H	-Statements)	H319 - Causes s	serious eye irritation		
MULTIPLE	German FEA	- Substances Hazardous	to Waters Class 2 - Hazard	to Waters		
SKIN SENSITIZE	МАК		Sensitizing Subs sensitization	stance Sh - Danger of skin		
SUBSTANCE NOTES:	Composition varies amor	ng layers				
TALC			ID: 14807	-96-6		
%: 5.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Filler		
HAZARDS:		AG	ENCY(IES) WITH WARNINGS):		
CANCER	МАК			up 3B - Evidence of carcinogenic ufficient for classification		
SUBSTANCE NOTES:	Composition varies amor	ng layers				
MAGNESITE			ID: 546-93	3-0		
%: 0.1000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Filler		
HAZARDS:		AG	ENCY(IES) WITH WARNINGS):		
None Found		No	warnings found on HPD Priorit	found on HPD Priority lists		
SUBSTANCE NOTES:	Composition varies amor	ng layers				
DIPROPYLENE GLYCO	DL DIACRYLATE		ID: 57472-	-68-1		
%: 0.0000 - 60.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent		
HAZARDS:		AG	ENCY(IES) WITH WARNINGS	3:		
None Found		No	warnings found on HPD Priorit	y lists		
SUBSTANCE NOTES:	Composition varies amor	ng layers				
BISPHENOL A-EPICHL	OROHYDRIN ACRYLAT	E	ID: 55818-	-57-0		
%: 0.0000 - 60.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent		

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Composition varies among layers

TRIMETHYLOLPROPAI	NE TRIACRYLATE		ID: 15625-8	10-5	
%: 0.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent	
HAZARDS:			AGENCY(IES) WITH WARNINGS:		
EYE IRRITATION	EU - R-phras	es	R36 - Irritating to e	eyes	
SKIN IRRITATION	EU - R-phras	es	R38 - Irritating to s	skin	
SKIN SENSITIZE	EU - R-phras	es	R43 - May cause :	sensitization by skin contact	
RESPIRATORY	AOEC - Asth	magens	Asthmagen (Rs) -	sensitizer-induced	
RESPIRATORY	AOEC - Asth	magens	Asthmagen (Rr) -	irritant-induced	
SKIN IRRITATION	EU - GHS (H	-Statements)	H315 - Causes sk	in irritation	
SKIN IRRITATION	EU - GHS (H-Statements)		H317 - May cause	e an allergic skin reaction	
EYE IRRITATION	EU - GHS (H-Statements)		H319 - Causes serious eye irritation		
SKIN SENSITIZE	SENSITIZE MAK		Sensitizing Substance Sh - Danger of skin sensitization		
SUBSTANCE NOTES: (Composition varies amor	ng layers			
SILICA, AMORPHOUS			ID: 7631-86	3-9	
%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Nucleating agent	
HAZARDS:			AGENCY(IES) WITH WARNINGS:		
None Found			No warnings found on HPD Priority lists		
SUBSTANCE NOTES: (Composition varies amor	ng layers			
1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-			ID: 7473-98	3-5	
%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent	
HAZARDS:			AGENCY(IES) WITH WARNINGS:		
None Found			No warnings found on HPD Priority	lists	

QUARTZ			ID: 14808	8-60-7	
%: 0.0000 - 10.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Filler	
HAZARDS:		AGEN	CY(IES) WITH WARNING	S:	
CANCER	IARC		nt is Carcinogenic to humans		
CANCER	US CDC -	US CDC - Occupational Carcinogens Occupation		carcinogen	
CANCER	CA EPA -	EPA - Prop 65 Carcinogen (form-specific or bas exposure pathways)			
CANCER	IARC			is carcinogenic to humans - ccupational sources	
CANCER	US NIH - I	Report on Carcinogens	Known to be Hu occupational se	uman Carcinogen (respirable size - etting)	
CANCER	MAK		Carcinogen Gro cancer in man	oup 1 - Substances that cause	
SUBSTANCE NOTES: (1,6-HEXANEDIOL DIAC			ID: 1304	8-33-4	
%: 0.0000 - 10.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Reagent	
HAZARDS:		AGEN	CY(IES) WITH WARNING	S:	
EYE IRRITATION	EU - R-ph	rases	R36 - Irritating t	to eyes	
SKIN IRRITATION	EU - R-ph	rases	R38 - Irritating t	to skin	
SKIN SENSITIZE	EU - R-ph	rases	R43 - May caus	se sensitization by skin contact	
SKIN IRRITATION	EU - GHS	(H-Statements)	H315 - Causes	H315 - Causes skin irritation	
SKIN IRRITATION	EU - GHS	EU - GHS (H-Statements)		use an allergic skin reaction	
EYE IRRITATION	EU - GHS	EU - GHS (H-Statements)		serious eye irritation	
MULTIPLE	German F	EA - Substances Hazardous to	Waters Class 2 - Hazar	rd to Waters	
SKIN SENSITIZE	MAK		Sensitizing Sub sensitization	ostance Sh - Danger of skin	
SUBSTANCE NOTES: 0	Composition varies ar	nong layers			

2,2'-(METHYLIMINO)BISETHANOL

ID: 105-59-9

HAZARDS:		AGENCY(IES) WITH WARNINGS:
EYE IRRITATION	EU - R-phrases	R36 - Irritating to eyes
EYE IRRITATION	EU - GHS (H-Statement	s) H319 - Causes serious eye irritation

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

SUSTAINABLE FORESTRY

CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: 235 Second Avenue Lambton G0M 1H0 Quebec CANADA CERTIFICATE URL: http://info.fsc.org/details.php?id=a0240000005sQmLAAU&type=certificate&return=certificate.php CERTIFICATION AND COMPLIANCE NOTES:

🛨 Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

ALL ACCESSORIES

HPD URL: No HPD link provided

ISSUE

DATE:

2013-

09-20

Forest Stewardship Council ®

EXPIRY

2018-09-

DATE:

19

CERTIFIER

OR LAB:

Alliance

Rainforest

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Please consult Lambton Doors' website for more information on available accessories: http://www.lambtondoors.com/architects-space/technical-space/options-and-accessories/ ------ For the door model 5-STC32-EME/ECE/EBE, acoustical hardware are used.

Section 5: General Notes

See "INVENTORY AND SCREENING NOTES" for information on Residuals/Impurities.

MANUFACTURER INFORMATION

MANUFACTURER: Lambton Doors

ADDRESS: 235 2nd Avenue Lambton, Quebec G0M 1H0 Canada

WEBSITE: www.lambtondoors.com

CONTACT NAME: Keven Campagna TITLE: R&D Supervisor PHONE: 4184867401 EMAIL: keven.campagna@lambtondoors.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet GHS SDS Globally Harmonized System of Classi cation and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity CAN Cancer DEV Developmental toxicity END Endocrine activity EYE Eye irritation/corrosivity GEN Gene mutation GLO Global warming MAM Mammalian/systemic/organ toxicity MUL Multiple hazards NEU Neurotoxicity OZO Ozone depletion PBT Persistent Bioaccumulative Toxic

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspeci ed (insu cient data to benchmark)

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party) Independent Lab Manufacturer's self-declaration using results from an independent lab Second Party Verification by trade association or other interested party Third Party Verification by independent certifier Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator, and when available, full GreenScreen assessments. The HPD Open Standard does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.

PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN Land Toxicity
NF Not found on Priority Hazard Lists

LT-P1 List Translator Possible Benchmark 1 LT-1 List Translator Likely Benchmark 1 LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark) UNK Unknown (no data on List Translator Lists)



TECHNOLOGY DESIGN ENVIRONMENT

C. Français

Visit our Website

www.lambtondoors.com



Subscribe to our Newsletter, click here Canada USA



Watch our **Corporate Video**



AMBTON

2216-11-16-10-16,21 GOING FORWARD (1) LAMBTON DOORS NEW LAMETON GOORS sourceas as NEW CORPORATE LOOK and

over the next year we will be gradually updating our Manture with the new logistype and corporate image. Our inspiration in developing this new CONTEMPORARY AND MODERN (suite)

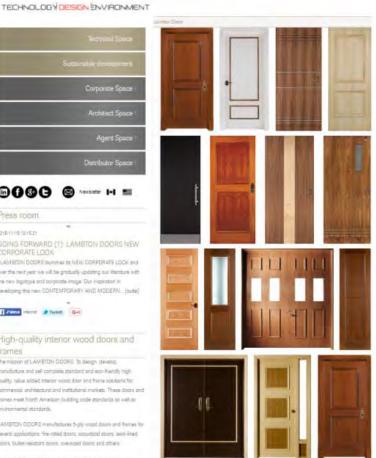
Talma insons @ Tweet. Get

High-quality interior wood doors and frames

The mission of LAMSTON COORS. Th design, develop, manufacture and sell complete standard and eco-friendly high quality, value added intensy wood door and frame solutions for operation architectural and institutional markets. These doors and frames meet North American building code grandants as well as environmental standarde.

LAMBTON DDDRS menufactures 5-ply wood doors and frames for several applications fire-rated doors accurtized doors land-lined doors, builet-realizant doors, oversized doors and others.

Ar LAMETON DOORS, we believe in a transformed built



5 Ply Doors - Particleboard Core (PC) - EnviroDesign™ Series by Lambton Doors

PRODUCT DESCRIPTION: THIS HPD COVERS LAMBTON DOORS' ENVIRODESIGN™ SERIES OF 5 PLY DOORS WITH PARTICLEBOARD CORE. IN PARTICULAR, IT COVERS THE FOLLOWING PRODUCT MODELS: 5-FSPC-EME/ECE/EBE, 5-UFPC-EME/ECE/EBE, AND 5-STC27-EME/ECE/EBE. PLEASE NOTE THAT THIS HPD DOES NOT COVER JAMBS AND FIXTURES

Health Product Declaration v2.0

created via: HPDC Online Builder

Section 1: Summary

CONTENT INVENTORY

Threshold per
material
100 ppm
• 1,000 ppm
O Per GHS SDS
Per OSHA MSDS
Other

Based on the selected Content Inventory Threshold:

impurities	Characterized	Ο	0
considered in	Are the Percent Weight and Role provided for all substances?	Yes	No
7 of 7 materials	Screened	Ο	0
 see Section 2: Material Notes see Section 5: 	Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
General Notes	Identified	Ο	0
	Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes	No

CONTENT IN DESCENDING ORDER OF QUANTITY

Residuals and

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY **GREENSCREEN SCORE | HAZARD TYPE**

LOW-EMITTING PARTICLEBOARD (ULTRA-LOW EMITTING FORMALDEHYDE) [WOOD DUST -UNSPECIFIED UNK MELAMINE-UREA-FORMALDEHYDE (MUF) LT-UNK WATER BM-4 UREA LT-UNK SLACK WAX (PETROLEUM) LT-1 | CAN | MUL AMMONIUM SULFATE LT-UNK MELAMINE LT-P1 | END FORMALDEHYDE LT-1 | MAM | SKI | CAN | RES | GEN | MUL PARAFFIN OIL LT-P1 | RES] LOW-EMITTING CROSSBAND (NO-ADDED FORMALDEHYDE) [WOOD DUST -UNSPECIFIED UNK POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN SLACK WAX (PETROLEUM) LT-1 | CAN | MUL] STILES AND RAILS [WOOD FIBER - UNSPECIFIED UNK POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN PARAFFIN LT-UNK] VENEER [MAPLE UNK] HARDWOOD EDGES [MAPLE UNK] ADHESIVES [POLYVINYL ACETATE (PVA) LT-UNK ALUMINUM NITRATE, 9-HYDRATE LT-UNK | RES BUTYL CARBITOL ACETATE LT-UNK VINYL ACETATE LT-P1 | CAN | PHY | END | MUL] UV FINISHES [TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | EYE | SKI | AQU | MUL TALC LT-UNK | CAN MAGNESITE LT-UNK DIPROPYLENE GLYCOL DIACRYLATE LT-UNK BISPHENOL A-EPICHLOROHYDRIN ACRYLATE LT-UNK TRIMETHYLOLPROPANE TRIACRYLATE LT-UNK | EYE | SKI | RES SILICA, AMORPHOUS LT-UNK 1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL- LT-UNK QUARTZ LT-1 | CAN 1,6-HEXANEDIOL DIACRYLATE LT-P1 | EYE | SKI | MUL 2,2'-(METHYLIMINO)BISETHANOL LT-UNK | EYE]

Number of Greenscreen BM-

4/BM3 contents.....1 Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1

Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

Lambton Doors' products do not contain impurities. Products have been screened at a 1,000 ppm level so that all potential residuals that could have existed in raw materials (wood, adhesives, wood panels and finishes), at that level, have been disclosed.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE Sustainable forestry: Forest Stewardship Council ®

See Section 3 for additional listings.

Self-Published* SCREENING DATE: November 1, 2016 EXPIRY DATE*: November 1, 2019 O Third Party Verified *See HPDC website for details

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

	V-EMITTING PARTICLEB V EMITTING FORMALDEP ntory Threshold: 1000 ppm	1102)	66.8900 HPD URL: https://i 20160610135502.p biduals Considered: Yes	builder.hpd-collaborative.org/u df	ıploads/files/hpds/1469/4119-		
			formaldehyde (ULEF) resin.				
	WOOD DUST - UNSPEC	IFIED		ID:			
	%: 84.0000 - 88.0000	GS: UNK	RC: PreC	NANO: NO	ROLE: Main component - Filler		
	HAZARDS:		AGE	AGENCY(IES) WITH WARNINGS:			
	None Found		No w	arnings found on HPD Priority li	sts		
	SUBSTANCE NOTES: 10 product.	00% pre-consumer re	ecycled raw materials (wood):	chips, sawdust, shavings and w	afers. May vary depending on		
	MELAMINE-UREA-FORM	MALDEHYDE (MUF)		ID: 25036-13	-9		
	%: 7.0000 - 8.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Resin		
	HAZARDS:		AGENCY(IES) WITH WARNINGS:				
	None Found		No w	arnings found on HPD Priority li	sts		
	SUBSTANCE NOTES: M	lay vary depending o	n product.				
	WATER			ID: 7732-18-	5		
	%: 5.0000 - 6.0000	GS: BM-4	RC: None	NANO: NO	ROLE: Humidity		
	HAZARDS:		AGE	NCY(IES) WITH WARNINGS:			
	None Found		No w	arnings found on HPD Priority li	sts		
_	SUBSTANCE NOTES: M	lay vary depending or	n product.				
	UREA			ID: 57-13-6			
	%: 0.0000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Scavenger		

HAZARDS:AGENCY(IES) WITH WARNINGS:CANCEREU - R-phrasesR45 - May cause cancerCANCEREU - GHS (H-Statements)H350 - May cause cancerCANCEREU - REACH Annex XVII CMRsCarcinogen Category 2 - should be regarded as if manMULTIPLEChemSec - SIN ListCMR - Carcinogen, Muta ToxicantMULTIPLEGerman FEA - Substances Hazardous to WatersClass 3 - Severe Hazard Carcinogen Category 1B	Substances which they are Carcinogenic				
SLACK WAX (PETROLEUM) ID: 64742-61-6 %: 0.0000 - 0.5000 GS: LT-1 RC: None NANO: NO HAZARDS: AGENCY(IES) WITH WARNINGS: CANCER EU - R-phrases R45 - May cause cancer CANCER EU - GHS (H-Statements) H350 - May cause cancer CANCER EU - GHS (H-Statements) H350 - May cause cancer CANCER EU - REACH Annex XVII CMRs Carcinogen Category 2 - should be regarded as if man MULTIPLE ChemSec - SIN List CMR - Carcinogen, Muta Toxicant MULTIPLE German FEA - Substances Hazardous to Waters Class 3 - Severe Hazard CANCER EU - Annex VI CMRs Carcinogen Category 1B based on animal evider	r Substances which they are Carcinogenic				
%: 0.0000 - 0.5000 GS: LT-1 RC: None NANO: NO HAZARDS: AGENCY(IES) WITH WARNINGS: CANCER EU - R-phrases R45 - May cause cancer CANCER EU - GHS (H-Statements) H350 - May cause cancer CANCER EU - REACH Annex XVII CMRs Carcinogen Category 2 - should be regarded as if man MULTIPLE ChemSec - SIN List CMR - Carcinogen, Muta MULTIPLE German FEA - Substances Hazardous to Waters Class 3 - Severe Hazard CANCER EU - Annex VI CMRs Carcinogen Category 1B	r Substances which they are Carcinogenic				
%: 0.0000 - 0.5000 GS: LT-1 RC: None NANO: NO HAZARDS: AGENCY(IES) WITH WARNINGS: CANCER EU - R-phrases R45 - May cause cancer CANCER EU - GHS (H-Statements) H350 - May cause cancer CANCER EU - REACH Annex XVII CMRs Carcinogen Category 2 - should be regarded as if man MULTIPLE ChemSec - SIN List CMR - Carcinogen, Muta Toxicant MULTIPLE German FEA - Substances Hazardous to Waters Class 3 - Severe Hazard CANCER EU - Annex VI CMRs Carcinogen Category 1B based on animal evidence	r Substances which they are Carcinogenic				
HAZARDS:AGENCY(IES) WITH WARNINGS:CANCEREU - R-phrasesR45 - May cause cancerCANCEREU - GHS (H-Statements)H350 - May cause cancerCANCEREU - REACH Annex XVII CMRsCarcinogen Category 2 - should be regarded as if manMULTIPLEChemSec - SIN ListCMR - Carcinogen, Mutar ToxicantMULTIPLEGerman FEA - Substances Hazardous to WatersClass 3 - Severe HazardCANCEREU - Annex VI CMRsCarcinogen Category 1B based on animal evidence	r Substances which they are Carcinogenic				
CANCEREU - R-phrasesR45 - May cause cancerCANCEREU - GHS (H-Statements)H350 - May cause cancerCANCEREU - REACH Annex XVII CMRsCarcinogen Category 2 - should be regarded as if manMULTIPLEChemSec - SIN ListCMR - Carcinogen, Muta ToxicantMULTIPLEGerman FEA - Substances Hazardous to WatersClass 3 - Severe Hazard Dased on animal evidence	Substances which they are Carcinogenic				
CANCEREU - GHS (H-Statements)H350 - May cause canceCANCEREU - REACH Annex XVII CMRsCarcinogen Category 2 - should be regarded as if manMULTIPLEChemSec - SIN ListCMR - Carcinogen, Muta ToxicantMULTIPLEGerman FEA - Substances Hazardous to WatersClass 3 - Severe Hazard 	Substances which they are Carcinogenic				
CANCEREU - REACH Annex XVII CMRsCarcinogen Category 2 - should be regarded as if manMULTIPLEChemSec - SIN ListCMR - Carcinogen, Muta ToxicantMULTIPLEGerman FEA - Substances Hazardous to WatersClass 3 - Severe HazardCANCEREU - Annex VI CMRsCarcinogen Category 1B based on animal evidence	Substances which they are Carcinogenic				
MULTIPLE ChemSec - SIN List CMR - Carcinogen, Muta Toxicant MULTIPLE German FEA - Substances Hazardous to Waters Class 3 - Severe Hazard CANCER EU - Annex VI CMRs Carcinogen Category 1B based on animal evidence	they are Carcinogenic				
MULTIPLE German FEA - Substances Hazardous to Waters Class 3 - Severe Hazard CANCER EU - Annex VI CMRs Carcinogen Category 1B based on animal evidence	gen &/or Reproductive				
CANCER EU - Annex VI CMRs Carcinogen Category 1B based on animal evidence					
based on animal evidenc	to Waters				
SUBSTANCE NOTES: May vary depending on product.	Carcinogen Category 1B - Presumed Carcinoger based on animal evidence				
AMMONIUM SULFATE ID: 7783-20-2					
%: 0.0000 - 0.2000 GS: LT-UNK RC: None NANO: NO	ROLE: Catalyst				
HAZARDS: AGENCY(IES) WITH WARNINGS:					
None Found No warnings found on HPD Priority lists					
SUBSTANCE NOTES: May vary depending on product.					
MELAMINE ID: 108-78-1					
%: Impurity/Residual GS: LT-P1 RC: None NANO: NO	ROLE: Impurity/Residu				
HAZARDS: AGENCY(IES) WITH WARNINGS:	(IES) WITH WARNINGS:				
ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor					
	iptor				

FORMALDEHYDE			ID: 50-00	D-0	
%: Impurity/Residual	GS: LT-1	RC: None	NANO: NO	ROLE: Impurity/Residual	
HAZARDS:		AGENCY(IE	S) WITH WARNING	S:	
MAMMALIAN	EU - R-pł	irases	R23 - Toxic by	Inhalation (gas, vapour, dust/mist)	
MAMMALIAN	EU - R-pł	EU - R-phrases		R24 - Toxic in Contact with Skin	
MAMMALIAN	EU - R-pł	EU - R-phrases		R25 - Toxic if Swallowed	
SKIN IRRITATION	EU - R-pł	EU - R-phrases		burns	
CANCER	EU - R-pł	EU - R-phrases		Evidence of Carcinogenic Effects	
SKIN SENSITIZE	EU - R-pł	nrases	R43 - May caus	se sensitization by skin contact	
RESPIRATORY	AOEC - A	sthmagens	Asthmagen (G)) - generally accepted	
CANCER	US EPA -	IRIS Carcinogens	(1986) Group E	31 - Probable human Carcinogen	
CANCER	IARC		Group 1 - Agen	nt is Carcinogenic to humans	
CANCER	CA EPA -	Prop 65	Carcinogen		
CANCER	US CDC	- Occupational Carcinogens	Occupational C	Occupational Carcinogen	
CANCER	US NIH -	Report on Carcinogens	Known to be a	Known to be a human Carcinogen	
MAMMALIAN	EU - GHS	S (H-Statements)	H301 - Toxic if	H301 - Toxic if swallowed	
MAMMALIAN	EU - GHS	S (H-Statements)	H311 - Toxic in contact with skin		
SKIN IRRITATION	EU - GHS	S (H-Statements)	H314 - Causes damage	H314 - Causes severe skin burns and eye damage	
SKIN IRRITATION	EU - GHS	S (H-Statements)	H317 - May ca	use an allergic skin reaction	
MAMMALIAN	EU - GHS	S (H-Statements)	H331 - Toxic if	inhaled	
GENE MUTATION	EU - GHS	S (H-Statements)	H341 - Suspec	ted of causing genetic defects	
CANCER	EU - GHS	S (H-Statements)	H350 - May ca	use cancer	
MULTIPLE	ChemSec	e - SIN List	CMR - Carcino Toxicant	gen, Mutagen &/or Reproductive	
MULTIPLE	German F	FEA - Substances Hazardous to Water	s Class 3 - Sever	re Hazard to Waters	
CANCER	MAK			oup 4 - Non-genotoxic carcinogen nder MAK/BAT levels	
SKIN SENSITIZE	МАК		Sensitizing Sub sensitization	Sensitizing Substance Sh - Danger of skin sensitization	
CANCER	EU - Anne	ex VI CMRs	Carcinogen Ca based on anima	tegory 1B - Presumed Carcinogen al evidence	

SUBSTANCE NOTES: From Formaldehyde compounds, Urea formaldehyde based

PARAFFIN OIL			ID: 8012-9	5-1	
%: Impurity/Residual	GS: LT-P1	RC: None	NANO: NO	ROLE: Impurity/Residual	
HAZARDS:		AGEN	CY(IES) WITH WARNINGS:	:	
RESPIRATORY	AOEC - Asth	magens	Asthmagen (G) -	generally accepted	
SUBSTANCE NOTES: F	rom Slack wax (petrole	um)			
LOW-EMITTING CROSSBAN Inventory Threshold: 1000 ppr Material Notes: Door crossban	า	Residuals Co			
WOOD DUST - UNSPEC	CIFIED		ID:		
%: 93.0000 - 97.0000	GS: UNK	RC: PreC	NANO: NO	ROLE: Main filler	
HAZARDS:		AGEN	CY(IES) WITH WARNINGS:	:	
None Found		No warnings found on HPD Priority lists			
SUBSTANCE NOTES: S	See Material notes				
POLYMERIC MDI (PMD	I)		ID: 9016-8	7-9	
%: 3.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder	
HAZARDS:		AGEN	CY(IES) WITH WARNINGS:	:	
RESPIRATORY	AOEC - Asth	magens	Asthmagen (G) -	generally accepted	
RESTRICTED LIST	US EPA - PF	PT Chemical Action Plans	EPA Chemical of	Concern - Action Plan published	
RESPIRATORY	US EPA - PF	PT Chemical Action Plans	Inhalation sensitiz	zer causing asthma and lung	
CANCER	MAK		Carcinogen Grou with low risk unde	p 4 - Non-genotoxic carcinogen er MAK/BAT levels	
RESPIRATORY	MAK		Sensitizing Subst skin sensitization	ance Sah - Danger of airway &	
SUBSTANCE NOTES: N	lo-added formaldehyde	resin			
SLACK WAX (PETROLE	EUM)		ID: 64742-0	61-6	

5 Ply Doors - Particleboard Core (PC) - EnviroDesignTM Series Health Product Declaration Page 5 of 14 created via: HPDC Online Builder www.hpd-collaborative.org

			NANO: NO	ROLE: Hydrophobic agent	
HAZARDS:		AGENC	Y(IES) WITH WARNING	S:	
CANCER	EU - R-phras	ses	R45 - May caus	R45 - May cause cancer	
CANCER	EU - GHS (H	I-Statements)	H350 - May cau	se cancer	
CANCER	EU - REACH	I Annex XVII CMRs		egory 2 - Substances which ded as if they are Carcinogenic	
MULTIPLE	ChemSec - S	SIN List	CMR - Carcinog Toxicant	en, Mutagen &/or Reproductive	
MULTIPLE	German FEA	A - Substances Hazardous to Wa	aters Class 3 - Severe	e Hazard to Waters	
CANCER	EU - Annex V	VI CMRs	Carcinogen Cate based on anima	egory 1B - Presumed Carcinoge I evidence	
SUBSTANCE NOTES: \$	See Material notes				
rial Notes: Stiles and rails					
WOOD FIBER - UNSPE %: 93.0000 - 95.0000		RC: None	ID: NANO: NO	-	
WOOD FIBER - UNSPE %: 93.0000 - 95.0000	CIFIED	RC: None	NANO: NO	Filler	
WOOD FIBER - UNSPE %: 93.0000 - 95.0000 HAZARDS:	CIFIED	RC: None	NANO: NO Y(IES) WITH WARNINGS	Filler S:	
WOOD FIBER - UNSPE %: 93.0000 - 95.0000 HAZARDS: None Found	CIFIED GS: UNK	RC: None AGENCY No warni	NANO: NO	Filler S:	
WOOD FIBER - UNSPE %: 93.0000 - 95.0000 HAZARDS:	CIFIED GS: UNK	RC: None AGENCY No warni	NANO: NO Y(IES) WITH WARNINGS	Filler S:	
WOOD FIBER - UNSPE %: 93.0000 - 95.0000 HAZARDS: None Found	CIFIED GS: UNK	RC: None AGENCY No warni	NANO: NO Y(IES) WITH WARNINGS	Filler 5: ty lists	
WOOD FIBER - UNSPE %: 93.0000 - 95.0000 HAZARDS: None Found SUBSTANCE NOTES: I	CIFIED GS: UNK	RC: None AGENCY No warni	NANO: NO	Filler 5: ty lists	
WOOD FIBER - UNSPE %: 93.0000 - 95.0000 HAZARDS: None Found SUBSTANCE NOTES: I POLYMERIC MDI (PME	CIFIED GS: UNK May vary depending on p	RC: None AGENCY No warni product RC: None	NANO: NO Y(IES) WITH WARNINGS ings found on HPD Priorit	Filler S: ty lists 87-9 ROLE: Binder	
WOOD FIBER - UNSPE %: 93.0000 - 95.0000 HAZARDS: None Found SUBSTANCE NOTES: I POLYMERIC MDI (PME %: 4.0000 - 6.0000	CIFIED GS: UNK May vary depending on p	RC: None AGENCY No warni product RC: None AGENCY	NANO: NO Y(IES) WITH WARNINGS ings found on HPD Priorit ID: 9016-4 NANO: NO Y(IES) WITH WARNINGS	5: ty lists 87-9 ROLE: Binder	
WOOD FIBER - UNSPE %: 93.0000 - 95.0000 HAZARDS: None Found SUBSTANCE NOTES: I POLYMERIC MDI (PME %: 4.0000 - 6.0000 HAZARDS:	CIFIED GS: UNK May vary depending on (21) GS: LT-UNK AOEC - Asth	RC: None AGENCY No warni product RC: None AGENCY	NANO: NO	Filler S: ty lists ROLE: Binder S:	
WOOD FIBER - UNSPE %: 93.0000 - 95.0000 HAZARDS: None Found SUBSTANCE NOTES: I POLYMERIC MDI (PME %: 4.0000 - 6.0000 HAZARDS: RESPIRATORY	CIFIED GS: UNK May vary depending on p OI) GS: LT-UNK AOEC - Asth US EPA - PF	RC: None AGENCY No warni product RC: None AGENCY	NANO: NO	Filler S: ROLE: Binder S: generally accepted	

	RESPIRATORY	МАК		Sensitizing Subst skin sensitization	ance Sah - Danger of airway &		
	SUBSTANCE NOTES	: Polymeric Diphenylmetha	ane Diisocyanate. Concent	ration may vary depending on	product.		
	PARAFFIN		ID: 8002-74-2				
	%: 0.0000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Hydrophobic agent		
	HAZARDS:		AGE	NCY(IES) WITH WARNINGS:			
	None Found		No v	varnings found on HPD Priority	lists		
	SUBSTANCE NOTES	: May vary depending on p	product				
I H							
	/ENEER nventory Threshold: 1000 p		: 2.5500 esiduals Considered: Yes	HPD URL:			
N	/aterial Notes: Veneer are a	available in a multitude of v	wood species, but Maple h	as been chosen as baseline sc	enario.		
	MAPLE			ID:			
	%: 100.0000	GS: UNK	RC: None	NANO: NO	ROLE: Decorative layer		
	HAZARDS:		AGE	NCY(IES) WITH WARNINGS:			
	None Found		No w	varnings found on HPD Priority	lists		
	SUBSTANCE NOTES	: See Material notes					
I H							
Ir	HARDWOOD EDGES Inventory Threshold: 100 pp Material Notes: Edges are m	m	%: 2.2900 Residuals Considered: Yes ariety of wood species, but	HPD URL: Maple has been chosen as ba	seline scenario.		
	MAPLE %: 100.0000	GS: UNK	RC: None	ID: NANO: NO	ROLE: Decorative edges		
	HAZARDS:		AGE	NCY(IES) WITH WARNINGS:			
	None Found		No v	varnings found on HPD Priority	lists		
	SUBSTANCE NOTES	: See Material notes					
	ADHESIVES Inventory Threshold: 1000 p		%: 0.1000 - 1.0000 Residuals Considered	HPD	URL:		
					sives. PVAc = Polyvinyl Acetate		

POLYVINYL ACETATE (PVA) ID: 9003-20-7					
%: 94.0000 - 99.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Main constituent	
HAZARDS:		AGE	NCY(IES) WITH WARNING	S:	
None Found		No w	No warnings found on HPD Priority lists		
SUBSTANCE NOTES: C	Concentration may vary	from a PVAc-based adhesiv	ve to another		
ALUMINUM NITRATE, 9	-HYDRATE		ID: 7784-	27-2	
%: 0.0000 - 6.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Catalyst	
HAZARDS:		AGE	NCY(IES) WITH WARNING	S:	
RESPIRATORY	RESPIRATORY AOEC - Asthmagens			s) - sensitizer-induced - inhalable	
SUBSTANCE NOTES: C	Only present in one of th	e three PVAc-based adhes	ives. Ranges from 1% to 6%	in the actual adhesive.	
BUTYL CARBITOL ACE	TATE		ID: 124-1	7-4	
%: 0.0000 - 3.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Additive	
HAZARDS:		AGE	NCY(IES) WITH WARNING	S:	
None Found		No w	arnings found on HPD Priori	ty lists	
SUBSTANCE NOTES: C	Only present in one of th	e three PVAc-based adhes	ives. Ranges from 1% to 3%	in the actual adhesive.	
VINYL ACETATE			ID: 108-0	5-4	
%: Impurity/Residual	GS: LT-P1	RC: None	NANO: NO	ROLE: Impurity/Residual	
HAZARDS:		AGE	NCY(IES) WITH WARNING	S:	
CANCER	IARC		Group 2b - Poss	sibly carcinogenic to humans	
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H	-Statements)	H225 - Highly fla	ammable liquid and vapour	
CANCER	EU - GHS (H	-Statements)	H351 - Suspect	ed of causing cancer	
ENDOCRINE	TEDX - Pote	ntial Endocrine Disruptors	Potential Endoc	rine Disruptor	
MULTIPLE	German FEA				

CANCER Carcinogen Group 3A - Evidence of carcinogenic MAK effects but not sufficient to establish MAK/BAT value SUBSTANCE NOTES: Only present in one of the three PVAc-based adhesives. Under 0.1% in the actual adhesive. **UV FINISHES** %: 0.1000 - 1.0000 HPD URL: Inventory Threshold: 1000 ppm **Residuals Considered: Yes** Material Notes: UV cured finishes (100% solids). Inventory of substances based on MSDS of all four layers of product (1 layer = 1 UV curable product, 4 layers (4 products) in total). All products have been merged into one material to simplify the inventory. TRIPROPYLENE GLYCOL DIACRYLATE ID: 42978-66-5 %: 5.0000 - 60.0000 GS: LT-P1 RC: None NANO: NO ROLE: Reagent HAZARDS: AGENCY(IES) WITH WARNINGS: EYE IRRITATION EU - R-phrases R36 - Irritating to eyes SKIN IRRITATION EU - R-phrases R38 - Irritating to skin SKIN SENSITIZE EU - R-phrases R43 - May cause sensitization by skin contact ACUTE AQUATIC EU - R-phrases R51 - Toxic to Aquatic Organisms CHRON AQUATIC EU - GHS (H-Statements) H411 - Toxic to aquatic life with long lasting effects SKIN IRRITATION EU - GHS (H-Statements) H315 - Causes skin irritation EU - GHS (H-Statements) SKIN IRRITATION H317 - May cause an allergic skin reaction **EYE IRRITATION** EU - GHS (H-Statements) H319 - Causes serious eye irritation MULTIPLE German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters SKIN SENSITIZE MAK Sensitizing Substance Sh - Danger of skin sensitization SUBSTANCE NOTES: Composition varies among layers TALC ID: 14807-96-6 %: 5.0000 - 10.0000 GS: LT-UNK RC: None NANO: NO ROLE: Filler HAZARDS: AGENCY(IES) WITH WARNINGS: CANCER Carcinogen Group 3B - Evidence of carcinogenic MAK effects but not sufficient for classification SUBSTANCE NOTES: Composition varies among layers

MAGNESITE			ID: 546-93-0		
%: 0.1000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Filler	
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	::	
None Found		No w	varnings found on HPD Priorit	y lists	
SUBSTANCE NOTES: C	Composition varies among) layers			
DIPROPYLENE GLYCO	L DIACRYLATE		ID: 57472-	-68-1	
%: 0.0000 - 60.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent	
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	:	
None Found		No w	varnings found on HPD Priorit	y lists	
SUBSTANCE NOTES: C	Composition varies among) layers			
BISPHENOL A-EPICHLC	OROHYDRIN ACRYLATE	=	ID: 55818-	-57-0	
%: 0.0000 - 60.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent	
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	:	
None Found		No w	varnings found on HPD Priorit	y lists	
SUBSTANCE NOTES: C	Composition varies amono) layers			
TRIMETHYLOLPROPAN	JE TRIACRYLATE		ID: 15625-	-89-5	
N/- 0 0000 40 0000					
%: 0.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent	
%: 0.0000 - 10.0000	GS: LT-UNK		NANO: NO		
	GS: LT-UNK EU - R-phrase	AGE		:	
HAZARDS:		AGE s	NCY(IES) WITH WARNINGS	eyes	
HAZARDS: EYE IRRITATION	EU - R-phrase	AGE s	R36 - Irritating to R38 - Irritating to	eyes	
HAZARDS: EYE IRRITATION SKIN IRRITATION	EU - R-phrase EU - R-phrase	AGE s s	R36 - Irritating to R38 - Irritating to R38 - Irritating to R43 - May cause	eyes	
HAZARDS: EYE IRRITATION SKIN IRRITATION SKIN SENSITIZE	EU - R-phrase EU - R-phrase EU - R-phrase	AGE s s agens	R36 - Irritating to R38 - Irritating to R38 - Irritating to R43 - May cause	e yes skin e sensitization by skin contact - sensitizer-induced	
HAZARDS: EYE IRRITATION SKIN IRRITATION SKIN SENSITIZE RESPIRATORY	EU - R-phrase EU - R-phrase EU - R-phrase AOEC - Asthm	AGE s s agens agens	R36 - Irritating to R38 - Irritating to R38 - Irritating to R43 - May cause Asthmagen (Rs)	e eyes e skin e sensitization by skin contact - sensitizer-induced - irritant-induced	

EYE IRRITATION	EU - GHS (H-Statements)		H319 - Causes se	erious eye irritation
SKIN SENSITIZE	МАК		Sensitizing Subst sensitization	ance Sh - Danger of skin
SUBSTANCE NOTES:	Composition varies amor	ıg layers		
SILICA, AMORPHOUS			ID: 7631-86	5-9
%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Nucleating agent
HAZARDS:		AGE	NCY(IES) WITH WARNINGS:	
None Found		No w	varnings found on HPD Priority	lists
SUBSTANCE NOTES:	Composition varies amor	ig layers		
1-PROPANONE, 2-HYE	DROXY-2-METHYL-1-PH	ENYL-	ID: 7473-98	3-5
%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:		AGE	NCY(IES) WITH WARNINGS:	
None Found	None Found		varnings found on HPD Priority	lists
SUBSTANCE NOTES:	Composition varies amor	ıg layers		
QUARTZ			ID: 14808-6	60-7
%: 0.0000 - 10.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Filler
HAZARDS:		AGE	NCY(IES) WITH WARNINGS:	
CANCER	IARC		Group 1 - Agent i	s Carcinogenic to humans
CANCER	US CDC - Oc	cupational Carcinogens	Occupational Car	cinogen
CANCER	CA EPA - Pro	pp 65	Carcinogen (form exposure pathwa	-specific or based on limited ys)
CANCER	IARC		Group 1: Agent is inhaled from occu	carcinogenic to humans - pational sources
CANCER	US NIH - Rep	oort on Carcinogens	Known to be Hum occupational setti	nan Carcinogen (respirable size - ng)
CANCER	МАК		Carcinogen Grou cancer in man	p 1 - Substances that cause
SUBSTANCE NOTES:	Composition varies amor	g layers		

1,6-HEXANEDIOL DIACRYLATE			ID: 13048-33-4		
%: 0.0000 - 10.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Reagent	
HAZARDS:			AGENCY(IES) WITH WARNINGS:		
EYE IRRITATION	RITATION EU - R-phrases		R36 - Irritating to	R36 - Irritating to eyes	
SKIN IRRITATION	ATION EU - R-phrases		R38 - Irritating to	R38 - Irritating to skin	
SKIN SENSITIZE	EU - R-phrases		R43 - May cause	R43 - May cause sensitization by skin contact	
SKIN IRRITATION	EU - GHS (H-	-Statements)	H315 - Causes	skin irritation	
SKIN IRRITATION	EU - GHS (H	EU - GHS (H-Statements)		se an allergic skin reaction	
EYE IRRITATION	EU - GHS (H·	EU - GHS (H-Statements)		H319 - Causes serious eye irritation	
MULTIPLE	German FEA	German FEA - Substances Hazardous to Waters		Class 2 - Hazard to Waters	
SKIN SENSITIZE	МАК		Sensitizing Subs	stance Sh - Danger of skin	
SUBSTANCE NOTES:	Composition varies amon	ng layers			
2,2'-(METHYLIMINO)BI	SETHANOL		ID: 105-59	9-9	
	ISETHANOL GS: LT-UNK	RC: None	ID: 105-59 NANO: NO	9-9 ROLE: Reagent	
2,2'-(METHYLIMINO)BI %: 0.0000 - 5.0000 HAZARDS:				ROLE: Reagent	
%: 0.0000 - 5.0000		AGE	NANO: NO	ROLE: Reagent	

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

SUSTAINABLE FORESTRY		Forest Stewardship Council ®		
CERTIFYING PARTY: Third Party	ISSUE	EXPIRY	CERTIFIER	
APPLICABLE FACILITIES: 235 Second Avenue Lambton G0M 1H0 Quebec CANADA	DATE:	DATE:	OR LAB:	
CERTIFICATE URL:	2013-	2018-09-	Rainforest	
http://info.fsc.org/details.php?id=a0240000005sQmLAAU&type=certificate&return=certificate.php CERTIFICATION AND COMPLIANCE NOTES:	09-20	19	Alliance	



This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners),

maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

ALL ACCESSORIES

HPD URL: No HPD link provided

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Please consult Lambton Doors' website for more information on available accessories: http://www.lambtondoors.com/architects-space/technical-space/options-and-accessories/ ------ For the door model 5-STC27-EME/ECE/EBE, acoustical hardware are used.



See "INVENTORY AND SCREENING NOTES" for information on Residuals/Impurities.

MANUFACTURER INFORMATION

MANUFACTURER: Lambton Doors

ADDRESS: 235 2nd Avenue Lambton, Quebec G0M 1H0 Canada

WEBSITE: www.lambtondoors.com

CONTACT NAME: Keven Campagna TITLE: R&D Supervisor PHONE: 418 486 7401 EMAIL: keven.campagna@lambtondoors.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet GHS SDS Globally Harmonized System of Classi cation and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity CAN Cancer DEV Developmental toxicity END Endocrine activity EYE Eye irritation/corrosivity GEN Gene mutation GLO Global warming MAM Mammalian/systemic/organ toxicity MUL Multiple hazards NEU Neurotoxicity OZO Ozone depletion PBT Persistent Bioaccumulative Toxic

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspeci ed (insu cient data to benchmark)

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party) Independent Lab Manufacturer's self-declaration using results from an independent lab Second Party Verification by trade association or other interested party Third Party Verification by independent certifier Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator, and when available, full GreenScreen assessments. The HPD Open Standard does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.

PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN Land Toxicity
NF Not found on Priority Hazard Lists

LT-P1 List Translator Possible Benchmark 1 LT-1 List Translator Likely Benchmark 1 LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark) UNK Unknown (no data on List Translator Lists)

5 Ply Doors - Particleboard Core (PC) - Standard Series by Lambton Doors

CONTENT

material

O Other

• 100 ppm

0 1,000 ppm

• Per GHS SDS

• Per OSHA MSDS

INVENTORY

Threshold per

PRODUCT DESCRIPTION: THIS HPD COVERS LAMBTON DOORS' STANDARD SERIES OF 5 PLY DOORS WITH PARTICLEBOARD CORE. IN PARTICULAR, IT COVERS THE FOLLOWING PRODUCT MODEL: 5-PC-ME/CE/BE. PLEASE NOTE THAT THIS HPD DOES NOT COVER JAMBS AND FIXTURES.

E Section 1: Summary

Based on the selected Content Inventory Threshold:

	Based on the selected Content inventory Theshold.		
Residuals and impurities considered in	Characterized Are the Percent Weight and Role provided for all substances?	⊙ Yes	O No
7 of 7 materials	Screened	Ο	0
 see Section 2: Material Notes see Section 5: 	Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
	Identified	Ο	0
General Notes	Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes	No

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY **GREENSCREEN SCORE | HAZARD TYPE**

PARTICLEBOARD [WOOD DUST - UNSPECIFIED UNK UREA FORMALDEHYDE LT-UNK WATER BM-4 UREA LT-UNK SLACK WAX (PETROLEUM) LT-1 | CAN | MUL AMMONIUM SULFATE LT-UNK FORMALDEHYDE LT-1 | MAM | SKI | CAN | RES | GEN | MUL PARAFFIN OIL LT-P1 | RES] CROSSBAND [WOOD DUST - UNSPECIFIED UNK MELAMINE-UREA-FORMALDEHYDE (MUF) LT-UNK SLACK WAX (PETROLEUM) LT-1 | CAN | MUL FORMALDEHYDE LT-1 | MAM | SKI | CAN | RES | GEN | MUL] STILES AND RAILS [WOOD FIBER - UNSPECIFIED UNK POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN PARAFFIN LT-UNK] VENEER [MAPLE UNK] HARDWOOD EDGES [MAPLE UNK] ADHESIVES | POLYVINYL ACETATE (PVA) LT-UNK ALUMINUM NITRATE, 9-HYDRATE LT-UNK | RES BUTYL CARBITOL ACETATE LT-UNK VINYL ACETATE LT-P1 | CAN | PHY | END | MUL] UV FINISHES [TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | EYE | SKI | AQU | MUL TALC LT-UNK CAN MAGNESITE LT-UNK DIPROPYLENE GLYCOL DIACRYLATE LT-UNK BISPHENOL A-EPICHLOROHYDRIN ACRYLATE LT-UNK TRIMETHYLOLPROPANE TRIACRYLATE LT-UNK | EYE SKI | RES SILICA, AMORPHOUS LT-UNK 1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL-LT-UNK QUARTZ LT-1 | CAN 1,6-HEXANEDIOL DIACRYLATE LT-P1 | EYE | SKI | MUL 2,2'-(METHYLIMINO)BISETHANOL LT-UNK | EYE]

Number of Greenscreen BM-4/BM3 contents.....1 Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1

Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

Lambton Doors' products do not contain impurities. Products have been screened at a 1,000 ppm level so that all potential residuals that could have existed in raw materials (wood, adhesives, wood panels and finishes), at that level, have been disclosed.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.



See Section 3 for additional listings

Self-Published* SCREENING DATE: December 1, 2016 EXPIRY DATE*: December 1, 2019 O Third Party Verified RELEASE DATE: December 1, 2016 *See HPDC website for detail

created via: HPDC Online Builder

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

Inve	RTICLEBOARD ntory Threshold: 1000 ppm erial Notes: Regular particle					
	WOOD DUST - UNSPECI	FIED		ID:		
	%: 80.0000 - 85.0000	GS: UNK	RC: PreC	NANO: NO	ROLE: Main component - Filler	
	HAZARDS:		AGE	GENCY(IES) WITH WARNINGS:		
	None Found No warnings found on HPD Priority lists					
	SUBSTANCE NOTES: 100% pre-consumer recycled raw materials (wood): chips, sawdust, shavings and wafers. May vary deper product.					
	UREA FORMALDEHYDE			ID: 9011-05	5-6	
	%: 7.0000 - 8.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Resin	
	HAZARDS:		AGE	ENCY(IES) WITH WARNINGS:		
	None Found		Nov	No warnings found on HPD Priority lists		
	SUBSTANCE NOTES: Ma	ay vary depending on	product			
	WATER			ID: 7732-18	3-5	
	%: 5.0000 - 6.0000	GS: BM-4	RC: None	NANO: NO	ROLE: Humidity	
	HAZARDS:		AGE	ENCY(IES) WITH WARNINGS:		
	None Found		No v	No warnings found on HPD Priority lists		
	SUBSTANCE NOTES: Ma	ay vary depending on	product			
	UREA			ID: 57-13-6		
_	%: 1.0000 - 3.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Scavenger	

HAZARDS:	AGENCY(IES) WITH WARNINGS:					
None Found	Ν	No warnings found on HPD Prio	rity lists			
SUBSTANCE NOTES: May vary depending on product						
SLACK WAX (PETROLE	UM)	ID: 6474	12-61-6			
%: 0.0000 - 0.5000 GS: LT-1 RC: None		NANO: NO	ROLE: Wax			
HAZARDS:	A	AGENCY(IES) WITH WARNING	SS:			
CANCER	CANCER EU - R-phrases		se cancer			
CANCER	EU - GHS (H-Statements)	H350 - May ca	use cancer			
CANCER	EU - REACH Annex XVII CMRs should be regarded as if they a man		ategory 2 - Substances which arded as if they are Carcinogenic to			
MULTIPLE	ChemSec - SIN List	CMR - Carcino Toxicant	ogen, Mutagen &/or Reproductive			
MULTIPLE	German FEA - Substances Hazardo	us to Waters Class 3 - Seve	re Hazard to Waters			
CANCER EU - Annex VI CMRs			Carcinogen Category 1B - Presumed Carcinogen based on animal evidence			
CANCER	EU - Annex VI CMRs					
	EU - Annex VI CMRs flay vary depending on product					
			nal evidence			
SUBSTANCE NOTES: M		based on anim	nal evidence			
SUBSTANCE NOTES: M	Nay vary depending on product GS: LT-UNK RC: None	based on anim	al evidence 3-20-2 ROLE: Catalyst			
SUBSTANCE NOTES: M AMMONIUM SULFATE %: 0.0000 - 0.2000	Nay vary depending on product GS: LT-UNK RC: None	based on anim ID: 7783 NANO: NO	3-20-2 ROLE: Catalyst			
SUBSTANCE NOTES: M AMMONIUM SULFATE %: 0.0000 - 0.2000 HAZARDS: None Found	Nay vary depending on product GS: LT-UNK RC: None	based on anim ID: 7783 NANO: NO AGENCY(IES) WITH WARNING	3-20-2 ROLE: Catalyst			
SUBSTANCE NOTES: M AMMONIUM SULFATE %: 0.0000 - 0.2000 HAZARDS: None Found	Nay vary depending on product GS: LT-UNK RC: None	based on anim ID: 7783 NANO: NO AGENCY(IES) WITH WARNING	al evidence 3-20-2 ROLE: Catalyst SS: rity lists			
SUBSTANCE NOTES: M AMMONIUM SULFATE %: 0.0000 - 0.2000 HAZARDS: None Found SUBSTANCE NOTES: M	Nay vary depending on product GS: LT-UNK RC: None	based on anim ID: 7783 NANO: NO AGENCY(IES) WITH WARNING No warnings found on HPD Prio	al evidence 3-20-2 ROLE: Catalyst SS: rity lists			
SUBSTANCE NOTES: M AMMONIUM SULFATE %: 0.0000 - 0.2000 HAZARDS: None Found SUBSTANCE NOTES: M FORMALDEHYDE	May vary depending on product GS: LT-UNK RC: None May vary depending on product GS: LT-1 RC: None	ID: 7783 NANO: NO AGENCY(IES) WITH WARNING No warnings found on HPD Prio	al evidence B-20-2 ROLE: Catalyst SS: rity lists 0-0 ROLE: Impurity/Residual			
SUBSTANCE NOTES: M AMMONIUM SULFATE %: 0.0000 - 0.2000 HAZARDS: None Found SUBSTANCE NOTES: M FORMALDEHYDE %: Impurity/Residual	May vary depending on product GS: LT-UNK RC: None May vary depending on product GS: LT-1 RC: None	ID: 7783 NANO: NO AGENCY(IES) WITH WARNING No warnings found on HPD Prio ID: 50-0 NANO: NO	al evidence B-20-2 ROLE: Catalyst SS: rity lists 0-0 ROLE: Impurity/Residual			
SUBSTANCE NOTES: M AMMONIUM SULFATE %: 0.0000 - 0.2000 HAZARDS: None Found SUBSTANCE NOTES: M FORMALDEHYDE %: Impurity/Residual HAZARDS:	Aay vary depending on product GS: LT-UNK RC: None Aay vary depending on product GS: LT-1 RC: None A	ID: 7783 NANO: NO AGENCY(IES) WITH WARNING No warnings found on HPD Prio ID: 50-0 NANO: NO AGENCY(IES) WITH WARNING R23 - Toxic by	al evidence B-20-2 ROLE: Catalyst SS: rity lists 0-0 ROLE: Impurity/Residual SS:			

SKIN IRRITATION	EU - R-phrases	R34 - Causes burns			
CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects			
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact			
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted			
CANCER	US EPA - IRIS Carcinogens	(1986) Group B1 - Probable human Carcinogen			
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans			
CANCER	CA EPA - Prop 65	Carcinogen			
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen			
CANCER	US NIH - Report on Carcinogens	Known to be a human Carcinogen			
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed			
MAMMALIAN	EU - GHS (H-Statements)	H311 - Toxic in contact with skin			
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage			
SKIN IRRITATION	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction			
MAMMALIAN	EU - GHS (H-Statements)	H331 - Toxic if inhaled			
GENE MUTATION	EU - GHS (H-Statements)	H341 - Suspected of causing genetic defects			
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer			
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant			
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters			
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters			
CANCER	МАК	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels			
SKIN SENSITIZE	МАК	Sensitizing Substance Sh - Danger of skin sensitization			
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence			
SUBSTANCE NOTES: From formaldehyde-based resin					
PARAFFIN OIL		ID: 8012-95-1			
	GS: LT-P1 RC: None N				
%: Impurity/Residual		NANO: NO ROLE: Impurity/Residual			
HAZARDS:	AGENCY(IES)	WITH WARNINGS:			
RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted			

DSSBAND Intory Threshold: 1000 ppr erial Notes: Door crossbar		0 HPD URL: Considered: Yes board (HDF) with formaldehydd	e-based resin	
WOOD DUST - UNSPE	CIFIED		ID:	
%: 79.0000 - 84.0000	GS: UNK	RC: PreC	NANO: NO	ROLE: Main component - Filler
HAZARDS:		AGENCY	(IES) WITH WARNING	S:
None Found		No warnir	igs found on HPD Priori	ty lists
SUBSTANCE NOTES: N	May vary depending on pro	oduct		
MELAMINE-UREA-FOR	MALDEHYDE (MUF)		ID: 25036	ò-13-9
%: 13.0000 - 18.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Resin
HAZARDS:		AGENCY	(IES) WITH WARNING	S:
None Found		No warnir	igs found on HPD Priori	ty lists
SUBSTANCE NOTES: N	May vary depending on pro	oduct		
SLACK WAX (PETROLE	EUM)		ID: 64742	2-61-6
%: 0.0000 - 1.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Hydrophobic agent
HAZARDS:		AGENCY	(IES) WITH WARNING	S:
CANCER	EU - R-phrases	5	R45 - May caus	e cancer
CANCER	EU - GHS (H-S	Statements)	H350 - May cau	se cancer
CANCER	EU - REACH A	nnex XVII CMRs		egory 2 - Substances which ded as if they are Carcinogenic to
MULTIPLE	ChemSec - SIN	N List	CMR - Carcinog Toxicant	jen, Mutagen &/or Reproductive
MULTIPLE	German FEA -	Substances Hazardous to Wa	ters Class 3 - Severe	e Hazard to Waters
CANCER	EU - Annex VI	CMRs	Carcinogen Cat	egory 1B - Presumed Carcinogen

FORMALDEHYDE			ID: 50-0	00-0	
%: Impurity/Residual	GS: LT-1	RC: None	NANO: NO	ROLE: Impurity/Residual	
HAZARDS:		AGENCY(I	AGENCY(IES) WITH WARNINGS:		
MAMMALIAN	EU - R-phr	ases	R23 - Toxic by	y Inhalation (gas, vapour, dust/mist)	
MAMMALIAN	EU - R-phr	ases	R24 - Toxic in	Contact with Skin	
MAMMALIAN	EU - R-phr	ases	R25 - Toxic if	Swallowed	
SKIN IRRITATION	EU - R-phr	ases	R34 - Causes	burns	
CANCER	EU - R-phr	ases	R40 - Limited	Evidence of Carcinogenic Effects	
SKIN SENSITIZE	EU - R-phr	ases	R43 - May cau	use sensitization by skin contact	
RESPIRATORY	AOEC - As	thmagens	Asthmagen (G	G) - generally accepted	
CANCER	US EPA - I	RIS Carcinogens	(1986) Group	B1 - Probable human Carcinogen	
CANCER	IARC		Group 1 - Age	ent is Carcinogenic to humans	
CANCER	CA EPA - I	Prop 65	Carcinogen		
CANCER	US CDC -	Occupational Carcinogens	Occupational	Carcinogen	
CANCER	US NIH - R	Report on Carcinogens	Known to be a	a human Carcinogen	
MAMMALIAN	EU - GHS	(H-Statements)	H301 - Toxic i	f swallowed	
MAMMALIAN	EU - GHS	(H-Statements)	H311 - Toxic i	n contact with skin	
SKIN IRRITATION	EU - GHS	(H-Statements)	H314 - Cause damage	s severe skin burns and eye	
SKIN IRRITATION	EU - GHS	(H-Statements)	H317 - May ca	ause an allergic skin reaction	
MAMMALIAN	EU - GHS	(H-Statements)	H331 - Toxic i	f inhaled	
GENE MUTATION	EU - GHS	(H-Statements)	H341 - Suspe	cted of causing genetic defects	
CANCER	EU - GHS	(H-Statements)	H350 - May ca	ause cancer	
MULTIPLE	ChemSec ·	- SIN List	CMR - Carcino Toxicant	ogen, Mutagen &/or Reproductive	
MULTIPLE	German FE	EA - Substances Hazardous to Wate	ers Class 2 - Haza	ard to Waters	
MULTIPLE	German FE	EA - Substances Hazardous to Wate	ers Class 3 - Seve	ere Hazard to Waters	
CANCER	МАК			roup 4 - Non-genotoxic carcinogen nder MAK/BAT levels	

	SKIN SENSITIZE	МАК		Sensitizing Subs	stance Sh - Danger of skin		
	CANCER	EU - Annex V	'I CMRs	Carcinogen Cate based on anima	egory 1B - Presumed Carcinogen evidence		
	SUBSTANCE NOTES:	From formaldehyde-base	d resin				
In	TILES AND RAILS Iventory Threshold: 1000 pp laterial Notes: Stiles and rail:	m Residuals Conside					
	WOOD FIBER - UNSPE	ECIFIED		ID:			
	%: 93.0000 - 95.0000	GS: UNK	RC: None	NANO: NO	ROLE: Main component - Filler		
	HAZARDS:		AGENC	Y(IES) WITH WARNINGS	3:		
	None Found	No warnings found on HPD Priority lists					
	SUBSTANCE NOTES:	May vary depending on p	roduct				
	POLYMERIC MDI (PME	DI)		ID: 9016-8	37-9		
	%: 4.0000 - 6.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder		
	HAZARDS:		AGENC	Y(IES) WITH WARNINGS	:		
	RESPIRATORY	AOEC - Asthr	nagens	Asthmagen (G)	generally accepted		
	RESTRICTED LIST	US EPA - PP	T Chemical Action Plans	EPA Chemical o	f Concern - Action Plan published		
	RESPIRATORY	US EPA - PP	T Chemical Action Plans	Inhalation sensit damage	izer causing asthma and lung		
	CANCER	МАК			up 4 - Non-genotoxic carcinogen ler MAK/BAT levels		
	RESPIRATORY	МАК		Sensitizing Subs	tance Sah - Danger of airway & า		
	SUBSTANCE NOTES:	Polymeric Diphenylmetha	ane Diisocyanate. Concentrati	on may vary depending or	product.		
	PARAFFIN			ID: 8002-7	74-2		
	%: 0.0000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Hydrophobic agent		
	HAZARDS:		AGENC	Y(IES) WITH WARNINGS	3:		

NEER		: 2.7000	HPD URL:	
entory Threshold: 100 ppm terial Notes: Veneer are ava		esiduals Considered: Yes	as been chosen as baseline s	cenario
iterial notes. Veneer are ava		wood species, but maple in		Cenano
MAPLE			ID:	
%: 100.0000	GS: UNK	RC: None	NANO: NO	ROLE: Decorative laye
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	:
None Found		Nov	varnings found on HPD Priorit	y lists
SUBSTANCE NOTES: S	ee Material notes			
ARDWOOD EDGES		%: 2.5000	HPD URL:	
entory Threshold: 100 ppm		Residuals Considered: Yes		
terial Notes: Edges are mad	le of hardwood from a	variety of wood species, bu	: Maple has been chosen as b	aseline scenario
MAPLE			ID:	
%: 100.0000	GS: UNK	RC: None	NANO: NO	ROLE: Decorative edge
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	3:
None Found		No v	varnings found on HPD Priorit	y lists
SUBSTANCE NOTES: S	ee Material notes			
DHESIVES		%: 0.1000 - 1.0000	HPD	URL:
entory Threshold: 1000 ppm		Residuals Considered		
terial Notes: Adhesives are	used throughout the p	roduction line for assembly.	They are all PVAc-based adh	esives. PVAc = Polyvinyl Aceta
POLYVINYL ACETATE (PVA)		ID: 9003-2	20-7
%: 94.0000 - 99.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Main constituen
HAZARDS:		AGE	NCY(IES) WITH WARNINGS):
None Found		No v	varnings found on HPD Priorit	y lists
SUBSTANCE NOTES: C	oncentration may vary	r from a PVAc-based adhesi	ve to another	

ALUMINUM NITRATE,	-HYDRATE		ID: 7784-27-2			ID: 7784-27-2	
%: 0.0000 - 6.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Catalyst			
HAZARDS:		AGEN	CY(IES) WITH WARNING	S:			
RESPIRATORY	AOEC - Asth	magens	Asthmagen (AF forms only	Rs) - sensitizer-induced - inhalable			
SUBSTANCE NOTES:	Only present in one of th	e three PVAc-based adhesiv	es. Ranges from 1% to 6%	in the actual adhesive.			
BUTYL CARBITOL ACE	ETATE		ID: 124-1	7-4			
%: 0.0000 - 3.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Additive			
HAZARDS:		AGEN	CY(IES) WITH WARNING	S:			
	No warnings found on HPD Priority lists						
None Found		INO WA					
	Only present in one of th	e three PVAc-based adhesiv	es. Ranges from 1% to 3%	in the actual adhesive.			
	Only present in one of th		es. Ranges from 1% to 3% ID: 108-0				
SUBSTANCE NOTES:	Only present in one of th GS: LT-P1)5-4			
SUBSTANCE NOTES:		e three PVAc-based adhesiv RC: None	ID: 108-0	95-4 ROLE: Impurity/Residua			
SUBSTANCE NOTES: • VINYL ACETATE %: Impurity/Residual		e three PVAc-based adhesiv RC: None	ID: 108-0 NANO: NO CY(IES) WITH WARNING	95-4 ROLE: Impurity/Residua			
SUBSTANCE NOTES: VINYL ACETATE %: Impurity/Residual HAZARDS:	GS: LT-P1	e three PVAc-based adhesiv RC: None	ID: 108-0 NANO: NO CY(IES) WITH WARNING Group 2b - Pos	95-4 ROLE: Impurity/Residua S:			
SUBSTANCE NOTES: VINYL ACETATE %: Impurity/Residual HAZARDS: CANCER PHYSICAL HAZARD	GS: LT-P1 IARC	e three PVAc-based adhesiv RC: None AGEN -Statements)	ID: 108-0 NANO: NO CY(IES) WITH WARNING Group 2b - Pos H225 - Highly fl	95-4 ROLE: Impurity/Residua S: sibly carcinogenic to humans			
SUBSTANCE NOTES: (VINYL ACETATE %: Impurity/Residual HAZARDS: CANCER PHYSICAL HAZARD (REACTIVE)	GS: LT-P1 IARC EU - GHS (H EU - GHS (H	e three PVAc-based adhesiv RC: None AGEN -Statements)	ID: 108-0 NANO: NO CY(IES) WITH WARNING Group 2b - Pos H225 - Highly fl	N5-4 ROLE: Impurity/Residua S: sibly carcinogenic to humans lammable liquid and vapour ted of causing cancer			
SUBSTANCE NOTES: (VINYL ACETATE %: Impurity/Residual HAZARDS: CANCER PHYSICAL HAZARD (REACTIVE) CANCER	GS: LT-P1 IARC EU - GHS (H EU - GHS (H TEDX - Poter	e three PVAc-based adhesiv RC: None AGEN -Statements)	ID: 108-0 NANO: NO CY(IES) WITH WARNING Group 2b - Pos H225 - Highly fl H351 - Suspect Potential Endoc	N5-4 ROLE: Impurity/Residua S: sibly carcinogenic to humans lammable liquid and vapour ted of causing cancer crine Disruptor			

UV FINISHES

%: 0.0000 - 1.0000

HPD URL:

Inventory Threshold: 1000 ppm

Residuals Considered: Yes

Material Notes: UV cured finishes (100% solids). Inventory of substances based on MSDSs of all four layers of product (1 layer = 1 UV curable product, 4 layers (4 products) in total). All products have been merged into one material to simplify the inventory.

TRIPROPYLENE GLYCOL DIACRYLATE

ID: 42978-66-5

		RC: None	NANO: NO	ROLE: Reagent	
HAZARDS:		AGE	NCY(IES) WITH WARNING	S:	
EYE IRRITATION	EU - R-phras	ses	R36 - Irritating to eyes		
SKIN IRRITATION	EU - R-phras	ses	R38 - Irritating	to skin	
SKIN SENSITIZE	EU - R-phras	ses	R43 - May cau	se sensitization by skin contact	
ACUTE AQUATIC	EU - R-phras	ses	R51 - Toxic to	Aquatic Organisms	
CHRON AQUATIC	EU - GHS (H	I-Statements)	H411 - Toxic to	aquatic life with long lasting effect	
SKIN IRRITATION	EU - GHS (H	I-Statements)	H315 - Causes	skin irritation	
SKIN IRRITATION	EU - GHS (H	I-Statements)	H317 - May ca	use an allergic skin reaction	
EYE IRRITATION	EU - GHS (H	EU - GHS (H-Statements) H319 - Causes serious eye irritation			
MULTIPLE	German FEA	 Substances Hazardous t 	o Waters Class 2 - Haza	rd to Waters	
SKIN SENSITIZE	МАК		Sensitizing Sul sensitization	ostance Sh - Danger of skin	
	Composition varies amo	ng layers			
TALC			ID: 1480	7-96-6	
%: 5.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Filler	
HAZARDS:			NCY(IES) WITH WARNING		
HAZARDS: CANCER	МАК		NCY(IES) WITH WARNING Carcinogen Gr	S:	
CANCER	MAK Composition varies amo	AGE	NCY(IES) WITH WARNING Carcinogen Gr	iS: oup 3B - Evidence of carcinogenic	
CANCER		AGE	NCY(IES) WITH WARNING Carcinogen Gr	S: oup 3B - Evidence of carcinogenic sufficient for classification	
CANCER SUBSTANCE NOTES:		AGE	NCY(IES) WITH WARNING Carcinogen Gr effects but not	S: oup 3B - Evidence of carcinogenic sufficient for classification	
CANCER SUBSTANCE NOTES: MAGNESITE	Composition varies amo	AGE ng layers RC: None	NCY(IES) WITH WARNING Carcinogen Gr effects but not ID: 546-9	3S: oup 3B - Evidence of carcinogenic sufficient for classification 93-0 ROLE: Filler	
CANCER SUBSTANCE NOTES: MAGNESITE %: 0.1000 - 1.0000	Composition varies amo	AGE ng layers RC: None AGE	NCY(IES) WITH WARNING Carcinogen Gr effects but not ID: 546- NANO: NO	ess: oup 3B - Evidence of carcinogenic sufficient for classification 93-0 ROLE: Filler SS:	
CANCER CANCER SUBSTANCE NOTES: MAGNESITE %: 0.1000 - 1.0000 HAZARDS: None Found	Composition varies amo	AGE ng layers RC: None AGE No w	NCY(IES) WITH WARNING Carcinogen Gr effects but not ID: 546-9 NANO: NO NCY(IES) WITH WARNING	ess: oup 3B - Evidence of carcinogenic sufficient for classification 93-0 ROLE: Filler SS:	
CANCER CANCER SUBSTANCE NOTES: MAGNESITE %: 0.1000 - 1.0000 HAZARDS: None Found	Composition varies amo GS: LT-UNK Composition varies amo	AGE ng layers RC: None AGE No w	NCY(IES) WITH WARNING Carcinogen Gr effects but not ID: 546-9 NANO: NO NCY(IES) WITH WARNING	ess: oup 3B - Evidence of carcinogenic sufficient for classification 93-0 ROLE: Filler ess: rity lists	

HAZARDS:		AGE	NCY(IES) WITH WARNINGS	S:
None Found		No v	varnings found on HPD Priorit	ty lists
SUBSTANCE NOTES: C	composition varies among	layers		
BISPHENOL A-EPICHLC	DROHYDRIN ACRYLATE		ID: 55818	3-57-0
%: 0.0000 - 60.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:		AGE	NCY(IES) WITH WARNING	S:
None Found		No v	varnings found on HPD Priorit	ty lists
SUBSTANCE NOTES: C	omposition varies among	layers		
TRIMETHYLOLPROPAN	IE TRIACRYLATE		ID: 15625	j-89-5
%: 0.0000 - 10.0000 GS: LT-UNK RC: None		RC: None	NANO: NO	ROLE: Reagent
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	S:
EYE IRRITATION	EU - R-phrases	3	R36 - Irritating to	o eyes
SKIN IRRITATION	EU - R-phrases	3	R38 - Irritating to	o skin
SKIN SENSITIZE	EU - R-phrases	3	R43 - May caus	e sensitization by skin contact
RESPIRATORY	AOEC - Asthm	agens	Asthmagen (Rs)) - sensitizer-induced
RESPIRATORY	AOEC - Asthm	agens	Asthmagen (Rr)	- irritant-induced
SKIN IRRITATION	EU - GHS (H-S	statements)	H315 - Causes	skin irritation
SKIN IRRITATION	EU - GHS (H-S	statements)	H317 - May cau	se an allergic skin reaction
EYE IRRITATION	EU - GHS (H-S	statements)	H319 - Causes	serious eye irritation
SKIN SENSITIZE	МАК		Sensitizing Subs	stance Sh - Danger of skin
SUBSTANCE NOTES: C	omposition varies among	layers		
SILICA, AMORPHOUS			ID: 7631-8	86-9
%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Nucleating agent
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	S:

1-PROPANONE, 2-HYD	ROXY-2-METHYL-1-PHE	NYL-	ID: 7473-9	98-5
%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:		AGENO	CY(IES) WITH WARNINGS	S:
None Found		No warı	nings found on HPD Priorit	ty lists
SUBSTANCE NOTES: (Composition varies among	layers		
QUARTZ			ID: 14808	-60-7
%: 0.0000 - 10.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Filler
HAZARDS:		AGENC	CY(IES) WITH WARNING	S:
CANCER	IARC		Group 1 - Agent	is Carcinogenic to humans
CANCER	US CDC - Occi	upational Carcinogens	Occupational Ca	arcinogen
CANCER	CA EPA - Prop 65		Carcinogen (form-specific or based on limited exposure pathways)	
CANCER	IARC			is carcinogenic to humans - cupational sources
CANCER	US NIH - Repo	rt on Carcinogens	Known to be Human Carcinogen (respirable siz occupational setting)	
CANCER	МАК		Carcinogen Gro cancer in man	up 1 - Substances that cause
SUBSTANCE NOTES: (Composition varies among	layers		
1,6-HEXANEDIOL DIAC	RYLATE		ID: 13048	3-33-4
%: 0.0000 - 10.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:		AGENC	CY(IES) WITH WARNINGS	S:
EYE IRRITATION	EU - R-phrases	3	R36 - Irritating to	o eyes
	EU - R-phrases		R38 - Irritating to skin	
SKIN IRRITATION	EU - R-phrases	5	R43 - May cause sensitization by skin contact	
	EU - R-phrases EU - R-phrases		R43 - May caus	e sensitization by skin contact
SKIN IRRITATION SKIN SENSITIZE SKIN IRRITATION		3	R43 - May caus H315 - Causes s	

EYE IRRITATION	EU - GHS (H-	Statements)	H319 - Causes	serious eye irritation
MULTIPLE	German FEA ·	German FEA - Substances Hazardous to Waters		rd to Waters
SKIN SENSITIZE	МАК		Sensitizing Sub sensitization	stance Sh - Danger of skin
SUBSTANCE NOTES:	Composition varies among	g layers		
2,2'-(METHYLIMINO)B	ISETHANOL		ID: 105-5	59-9
%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:		AGENCY(IE	ES) WITH WARNING	S:
EYE IRRITATION	EU - R-phrase	es	R36 - Irritating	to eyes
EYE IRRITATION	EU - GHS (H-	Statements)	H319 - Causes	serious eye irritation
SUBSTANCE NOTES:	Composition varies among	g layers		

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

SUSTAINABLE FORESTRY

CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: 235 Second Avenue Lambton G0M 1H0 Quebec CANADA CERTIFICATE URL: http://info.fsc.org/details.php?id=a0240000005sQmLAAU&type=certificate&return=certificate.php CERTIFICATION AND COMPLIANCE NOTES:

🚽 Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

ALL ACCESSORIES

HPD URL: No HPD available

ISSUE

DATE:

2013-

09-20

Forest Stewardship Council ®

CERTIFIER

OR LAB:

Alliance

Rainforest

EXPIRY

2018-09-

DATE:

19

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Please consult Lambton Doors' website for more information on available accessories: http://www.lambtondoors.com/architects-space/technical-space/options-and-accessories/

Section 5: General Notes

See "INVENTORY AND SCREENING NOTES" for information on Residuals/Impurities.

MANUFACTURER INFORMATION

MANUFACTURER: Lambton Doors

ADDRESS: 235 2nd Avenue Lambton, Quebec G0M 1H0 Canada

WEBSITE: www.lambtondoors.com

CONTACT NAME: Keven Campagna TITLE: R&D Supervisor PHONE: 418 486 7401 EMAIL: keven.campagna@lambtondoors.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet GHS SDS Globally Harmonized System of Classi cation and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity CAN Cancer DEV Developmental toxicity END Endocrine activity EYE Eye irritation/corrosivity GEN Gene mutation GLO Global warming MAM Mammalian/systemic/organ toxicity MUL Multiple hazards NEU Neurotoxicity OZO Ozone depletion PBT Persistent Bioaccumulative Toxic

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspeci ed (insu cient data to benchmark)

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party) Independent Lab Manufacturer's self-declaration using results from an independent lab Second Party Verification by trade association or other interested party Third Party Verification by independent certifier Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator, and when available, full GreenScreen assessments. The HPD Open Standard does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the nal product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent veri er are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.

PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN Land Toxicity
NF Not found on Priority Hazard Lists

LT-P1 List Translator Possible Benchmark 1 LT-1 List Translator Likely Benchmark 1 LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark) UNK Unknown (no data on List Translator Lists)

5 Ply Doors - Structural Composite Lumber Core (SCL) -EnviroDesign[™] Series by Lambton Doors

Health Product Declaration v2.0

created via: HPDC Online Builder

CLASSIFICATION: 081416

Section 1: Summary

CONTENT INVENTORY

Threshold per material • 100 ppm • 1,000 ppm O Per GHS SDS • Per OSHA MSDS O Other

Based on the selected Content Inventory Threshold:

Residuals and	·		
impurities	Characterized	0	0
considered in	Are the Percent Weight and Role provided for all substances?	Yes	No
7 of 7 materials	Screened	Ο	0
 see Section 2: Material Notes see Section 5: 	Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
General Notes	Identified	Ο	0
General Notes	Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes	No

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY GREENSCREEN SCORE | HAZARD TYPE

DOOR CORE [WOOD FIBER - UNSPECIFIED UNK POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN PARAFFIN LT-UNK] LOW-EMITTING CROSSBAND (NO-ADDED FORMALDEHYDE) [WOOD DUST - UNSPECIFIED UNK POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN SLACK WAX (PETROLEUM) LT-1 | CAN | MUL] STILES AND RAILS [WOOD FIBER -UNSPECIFIED UNK POLYMERIC MDI (PMDI) LT-UNK | RES | MUL | CAN PARAFFIN LT-UNK] VENEER [MAPLE UNK] HARDWOOD EDGES [MAPLE UNK] ADHESIVES [POLYVINYL ACETATE (PVA) LT-UNK ALUMINUM NITRATE, 9-HYDRATE LT-UNK | RES BUTYL CARBITOL ACETATE LT-UNK VINYL ACETATE LT-P1 | CAN | PHY | END | MUL] UV FINISHES TRIPROPYLENE GLYCOL DIACRYLATE LT-P1 | EYE | SKI | AQU | MUL TALC LT-UNK | CAN MAGNESITE LT-UNK DIPROPYLENE GLYCOL DIACRYLATE LT-UNK BISPHENOL A-EPICHLOROHYDRIN ACRYLATE LT-UNK TRIMETHYLOLPROPANE TRIACRYLATE LT-UNK EYE | SKI | RES SILICA, AMORPHOUS LT-UNK 1-PROPANONE, 2-HYDROXY-2-METHYL-1-PHENYL- LT-UNK QUARTZ LT-1 | CAN 1,6-HEXANEDIOL DIACRYLATE LT-P1 | EYE | SKI | MUL 2,2'-(METHYLIMINO)BISETHANOL LT-UNK | EYE]

Number of Greenscreen BM-

4/BM3 contents.....0 Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1 Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

Lambton Doors' products do not contain impurities. Products have been screened at a 1,000 ppm level so that all potential residuals that could have existed in raw materials (wood, adhesives, wood panels and finishes), at that level, have been disclosed.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.



See Section 3 for additional listings

Self-Published* O Third Party Verified RELEASE DATE: February 2, 2017 *See HPDC website for detail

5 Ply Doors - Structural Composite Lumber Core (SCL) - EnviroDesign™ Series Health Product Declaration Page 1 of 11 created via: HPDC Online Builder www.hpd-collaborative.org

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

OOR CORE entory Threshold: 1000 ppn		5: 69.6700 esiduals Considered: Yes	HPD URL:		
• • • •			ame material as in the stiles a	and rails.	
WOOD FIBER - UNSPE	CIFIED		ID:		
%: 93.0000 - 95.0000	GS: UNK	RC: None	NANO: NO	ROLE: Main component Filler	
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	S:	
None Found	No warnings found on HPD Priority lists				
SUBSTANCE NOTES: N	May vary depending on	product			
POLYMERIC MDI (PMD	I)		ID: 9016-8	37-9	
%: 4.0000 - 6.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder	
HAZARDS:		AGE	NCY(IES) WITH WARNINGS	5:	
RESPIRATORY	AOEC - Asth	nmagens	Asthmagen (G)	- generally accepted	
RESTRICTED LIST	US EPA - PF	PT Chemical Action Plans	EPA Chemical c	f Concern - Action Plan published	
RESPIRATORY	US EPA - PF	PT Chemical Action Plans	Inhalation sensit damage	izer causing asthma and lung	
CANCER	МАК			up 4 - Non-genotoxic carcinogen ler MAK/BAT levels	
RESPIRATORY	МАК		Sensitizing Subs	stance Sah - Danger of airway & n	
SUBSTANCE NOTES: F	Polymeric Diphenylmeth	ane Diisocyanate. Concenti	ation may vary depending or	n product.	
PARAFFIN			ID: 8002-7	74-2	
%: 0.0000 - 1.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Hydrophobic agent	

SUBSTANCE NOTES: May vary depending on product

			-	
rial Notes: Door crossband			sidered: res	
aldehyde.				
WOOD DUST - UNSPEC	CIFIED		ID:	
%: 93.0000 - 97.0000	GS: UNK	RC: PreC	NANO: NO	ROLE: Main filler
HAZARDS:		AGENC	Y(IES) WITH WARNINGS	:
None Found		No warr	nings found on HPD Priority	/ lists
SUBSTANCE NOTES: S	ee Material notes			
POLYMERIC MDI (PMDI)		ID: 9016-8	7-9
%: 3.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder
HAZARDS:		AGENC	Y(IES) WITH WARNINGS	:
RESPIRATORY	AOEC - Astr	magens	Asthmagen (G) -	generally accepted
RESTRICTED LIST	US EPA - PF	PT Chemical Action Plans	EPA Chemical of	f Concern - Action Plan published
RESPIRATORY	US EPA - PF	PT Chemical Action Plans	Inhalation sensiti damage	zer causing asthma and lung
CANCER	МАК			ıp 4 - Non-genotoxic carcinogen er MAK/BAT levels
RESPIRATORY	МАК		Sensitizing Subs skin sensitization	tance Sah - Danger of airway &
SUBSTANCE NOTES: N	o-added formaldehyde	resin		
SLACK WAX (PETROLE	UM)		ID: 64742-	61-6
%: 0.0000 - 1.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Hydrophobic agent
HAZARDS:		AGENC	Y(IES) WITH WARNINGS	:
CANCER	EU - R-phras	Ses	R45 - May cause	e cancer
CANCER	EU - GHS (H	I-Statements)	H350 - May caus	e cancer
	htory Threshold: 1000 ppm rial Notes: Door crossband aldehyde. WOOD DUST - UNSPEC %: 93.0000 - 97.0000 HAZARDS: None Found SUBSTANCE NOTES: S POLYMERIC MDI (PMDI %: 3.0000 - 5.0000 HAZARDS: RESPIRATORY RESPIRATORY RESPIRATORY CANCER SUBSTANCE NOTES: N SUBSTANCE NOTES: N SLACK WAX (PETROLE %: 0.0000 - 1.0000	Noroy Threshold: 1000 ppm addehyde. WOOD DUST - UNSPECIFIED %: 93.0000 - 97.0000 GS: UNK HAZARDS: None Found SUBSTANCE NOTES: See Material notes POLYMERIC MDI (PMDI) %: 3.0000 - 5.0000 GS: LT-UNK HAZARDS: RESPIRATORY AOEC - Astr RESPIRATORY AOEC - Astr RESPIRATORY US EPA - PF RESPIRATORY US EPA - PF RESPIRATORY US EPA - PF RESPIRATORY MAK SUBSTANCE NOTES: No-added formaldehyde SLACK WAX (PETROLEUM) %: 0.0000 - 1.0000 GS: LT-1	ntory Threshold: 1000 ppm instruction Residuals Construint Notes: Door crossband is high-density fiberboard (HDF) without any added aldehyde. WOOD DUST - UNSPECIFIED %: 93.0000 - 97.0000 GS: UNK RC: PreC MAZARDS: AGENC None Found No warr SUBSTANCE NOTES: See Material notes POLYMERIC MDI (PMDI) %: 3.0000 - 5.0000 GS: LT-UNK RESPIRATORY AGENC RESPIRATORY MAK RESPIRATORY MAK RESPIRATORY MAK SUBSTANCE NOTES: No-addet formaldehyde resin SUBSTANCE NOTES: No-addet formaldehyde resin	International Process Door crosssband is high-density liberboard (HDF) without any added addehyde. ID: WOOD DUST - UNSPECIFIED ID: %: 93.0000 - 97.0000 GS: UNK RC: PreC NANO: NO HAZARDS: AGENCY(IES) WITH WARNINGS None Found No warnings found on HPD Priority SUBSTANCE NOTES: See Material notes ID: 9016-8 %: 3.0000 - 5.0000 GS: LT-UNK RC: None NANO: NO HAZARDS: AGENCY(IES) WITH WARNINGS AGENCY(IES) ID: 9016-8 %: 3.0000 - 5.0000 GS: LT-UNK RC: None NANO: NO HAZARDS: AGENCY(IES) WITH WARNINGS RESPIRATORY AOEC - Asthmagens Asthmagen (G) - RESPIRATORY US EPA - PPT Chemical Action Plans Inhalation sensiti damage Gamage CANCER MAK Carcinogen Grou Gamage Still sensitizator SUBSTANCE NOTES: No-added formaldehyde resin ID: 64742- Still sensitizator Still sensitizator SUBSTANCE NOTES: No-added formaldehyde resin ID: 64742- Still sensitizator Still sensitizator SUBSTANCE NOTES: No-added formaldehyde resin ID: 64742- Still sensitizator Still sensitizator

CANCER	EU - REACH	I Annex XVII CMRs		Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man	
MULTIPLE	ChemSec - S	SIN List	CMR - Carcinog Toxicant	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant	
MULTIPLE	German FEA	A - Substances Hazardous to W	/aters Class 3 - Severe	e Hazard to Waters	
CANCER	EU - Annex \	/I CMRs	Carcinogen Cat based on anima	egory 1B - Presumed Carcinogen I evidence	
SUBSTANCE NOTES: S	ee Material notes				
STILES AND RAILS Inventory Threshold: 1000 ppm Material Notes: Stiles and rails	Residuals Consid				
WOOD FIBER - UNSPEC	DIFIED		ID:		
%: 93.0000 - 95.0000	GS: UNK	RC: None	NANO: NO	ROLE: Main component - Filler	
HAZARDS:		AGENC	Y(IES) WITH WARNING	S:	
None Found		No warr	ings found on HPD Priori	ty lists	
SUBSTANCE NOTES: M	lay vary depending on p	product			
POLYMERIC MDI (PMDI)		ID: 9016-	87-9	
%: 4.0000 - 6.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder	
HAZARDS:		AGENC	Y(IES) WITH WARNING	S:	
RESPIRATORY	AOEC - Asth	magens	Asthmagen (G)	Asthmagen (G) - generally accepted	
RESTRICTED LIST	US EPA - PP	PT Chemical Action Plans	EPA Chemical of	of Concern - Action Plan published	
RESPIRATORY	US EPA - PP	PT Chemical Action Plans	Inhalation sensi damage	lizer causing asthma and lung	
CANCER	МАК			Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels	
RESPIRATORY	RATORY MAK		Sensitizing Sub skin sensitizatio	stance Sah - Danger of airway & n	
SUBSTANCE NOTES: P	olymeric Diphenylmetha	ane Diisocyanate. Concentrati	on may vary depending or	n product.	
PARAFFIN			ID: 8002-	74-2	

%: 0.0000 - 1.0000	GS: LT-UNK	RC: None		agent
HAZARDS:		AGEN	CY(IES) WITH WARNING	S:
None Found		No wai	nings found on HPD Prior	ity lists
SUBSTANCE NOTES: I	May vary depending on p	product		
ENEER		2.3300 siduals Considered: Yes	HPD URL:	
laterial Notes: Veneers are a	available in a multitude of	wood species, but Maple ha	s been chosen as baseline	e scenario.
MAPLE			ID:	
%: 100.0000	GS: UNK	RC: None	NANO: NO	ROLE: Decorative layer
HAZARDS:		AGEN	CY(IES) WITH WARNING	S:
None Found		No wai	nings found on HPD Prior	ity lists
SUBSTANCE NOTES:	See Material notes			
SUBSTANCE NOTES: :	See Material notes			
ARDWOOD EDGES	1	%: 2.1000 Residuals Considered: Yes ariety of wood species, but M	HPD URL: laple has been chosen as	baseline scenario.
ARDWOOD EDGES	1	Residuals Considered: Yes		baseline scenario.
IARDWOOD EDGES Iventory Threshold: 100 ppm laterial Notes: Edges are ma	1	Residuals Considered: Yes	laple has been chosen as	baseline scenario. ROLE: Decorative edges
ARDWOOD EDGES Inventory Threshold: 100 ppm laterial Notes: Edges are ma MAPLE	n Ide of hardwood from a v	Residuals Considered: Yes ariety of wood species, but M RC: None	laple has been chosen as ID:	ROLE: Decorative edges
ARDWOOD EDGES aventory Threshold: 100 ppm laterial Notes: Edges are ma MAPLE %: 100.0000	n Ide of hardwood from a v	Residuals Considered: Yes ariety of wood species, but M RC: None AGEN	laple has been chosen as ID: NANO: NO	ROLE: Decorative edges
ARDWOOD EDGES aventory Threshold: 100 ppm laterial Notes: Edges are ma MAPLE %: 100.0000 HAZARDS:	n Ide of hardwood from a v GS: UNK	Residuals Considered: Yes ariety of wood species, but M RC: None AGEN	laple has been chosen as ID: NANO: NO CY(IES) WITH WARNING	ROLE: Decorative edges
ARDWOOD EDGES aventory Threshold: 100 ppm laterial Notes: Edges are ma MAPLE %: 100.0000 HAZARDS: None Found	n Ide of hardwood from a v GS: UNK	Residuals Considered: Yes ariety of wood species, but M RC: None AGEN	laple has been chosen as ID: NANO: NO CY(IES) WITH WARNING	ROLE: Decorative edges
ARDWOOD EDGES aventory Threshold: 100 ppm laterial Notes: Edges are ma MAPLE %: 100.0000 HAZARDS: None Found SUBSTANCE NOTES: S	n Ide of hardwood from a v GS: UNK See Material notes	Residuals Considered: Yes ariety of wood species, but M RC: None AGEN	laple has been chosen as ID: NANO: NO CY(IES) WITH WARNING nings found on HPD Prior HP	ROLE: Decorative edges
ARDWOOD EDGES Nventory Threshold: 100 ppm laterial Notes: Edges are ma MAPLE %: 100.0000 HAZARDS: None Found SUBSTANCE NOTES: S NOHESIVES Nventory Threshold: 1000 pp	n Ide of hardwood from a v GS: UNK See Material notes	Residuals Considered: Yes ariety of wood species, but M RC: None AGEN No wat %: 0.0000 - 1.0000 Residuals Considered: Y	laple has been chosen as ID: NANO: NO CY(IES) WITH WARNING mings found on HPD Prior	ROLE: Decorative edges S: ity lists
ARDWOOD EDGES Nventory Threshold: 100 ppm laterial Notes: Edges are ma MAPLE %: 100.0000 HAZARDS: None Found SUBSTANCE NOTES: S NOHESIVES Nventory Threshold: 1000 pp	GS: UNK	Residuals Considered: Yes ariety of wood species, but M RC: None AGEN No wat %: 0.0000 - 1.0000 Residuals Considered: Y	laple has been chosen as ID: NANO: NO CY(IES) WITH WARNING mings found on HPD Prior	ROLE: Decorative edges S: ity lists D URL: hesives. PVAc = Polyvinyl Acetate
ARDWOOD EDGES Aventory Threshold: 100 ppm laterial Notes: Edges are ma MAPLE %: 100.0000 HAZARDS: None Found SUBSTANCE NOTES: S ADHESIVES Aventory Threshold: 1000 ppm laterial Notes: Adhesives are	GS: UNK	Residuals Considered: Yes ariety of wood species, but M RC: None AGEN No wat %: 0.0000 - 1.0000 Residuals Considered: Y	laple has been chosen as ID: NANO: NO CY(IES) WITH WARNING mings found on HPD Prior rhings found on HPD Prior HP Yes hey are all PVAc-based ad	ROLE: Decorative edges S: ity lists D URL: hesives. PVAc = Polyvinyl Acetate
ARDWOOD EDGES Aventory Threshold: 100 ppm laterial Notes: Edges are ma MAPLE %: 100.0000 HAZARDS: None Found SUBSTANCE NOTES: S ADHESIVES Aventory Threshold: 1000 ppm laterial Notes: Adhesives are POLYVINYL ACETATE	GS: UNK GS: UNK See Material notes m e used throughout the pro (PVA)	Residuals Considered: Yes ariety of wood species, but M RC: None AGEN No wat %: 0.0000 - 1.0000 Residuals Considered: Y oduction line for assembly. Th RC: None	laple has been chosen as ID: NANO: NO CY(IES) WITH WARNING mings found on HPD Prior HP Yes hey are all PVAc-based ad ID: 9003-	ROLE: Decorative edges S: ity lists D URL: hesives. PVAc = Polyvinyl Acetate -20-7 ROLE: Main constituent

LUMINUM NITRATE, 9-HYDRATE			ID: 7784-27-2	
%: 0.0000 - 6.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Catalyst
HAZARDS:		AGENCY(ES) WITH WARNING	S:
RESPIRATORY	AOEC - Asth	magens	Asthmagen (AR forms only	ts) - sensitizer-induced - inhalab
SUBSTANCE NOTES: (Only present in one of th	e three PVAc-based adhesives. F	anges from 1% to 6%	in the actual adhesive.
BUTYL CARBITOL ACE	ETATE		ID: 124-1	7-4
%: 0.0000 - 3.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Additive
HAZARDS:		AGENCY(ES) WITH WARNING	S:
None Found SUBSTANCE NOTES: (Only present in one of th	No warning e three PVAc-based adhesives. F	is found on HPD Priori	
	Only present in one of th			in the actual adhesive.
SUBSTANCE NOTES: (Only present in one of th GS: LT-P1		anges from 1% to 3%	in the actual adhesive.
SUBSTANCE NOTES: (e three PVAc-based adhesives. F RC: None	anges from 1% to 3% ID: 108-0	in the actual adhesive. 5-4 ROLE: Impurity/Resid
SUBSTANCE NOTES: (VINYL ACETATE %: Impurity/Residual		e three PVAc-based adhesives. F RC: None	Ranges from 1% to 3% ID: 108-0 NANO: NO ES) WITH WARNING	in the actual adhesive. 5-4 ROLE: Impurity/Resid
SUBSTANCE NOTES: (VINYL ACETATE %: Impurity/Residual HAZARDS: CANCER PHYSICAL HAZARD	GS: LT-P1	e three PVAc-based adhesives. F RC: None AGENCY(I	anges from 1% to 3% ID: 108-0 NANO: NO ES) WITH WARNING Group 2b - Pose	in the actual adhesive. 5-4 ROLE: Impurity/Resid
SUBSTANCE NOTES: (VINYL ACETATE %: Impurity/Residual HAZARDS: CANCER PHYSICAL HAZARD (REACTIVE)	GS: LT-P1 IARC	e three PVAc-based adhesives. F RC: None AGENCY(anges from 1% to 3% ID: 108-0 NANO: NO ES) WITH WARNING: Group 2b - Pos: H225 - Highly fl	in the actual adhesive. 5-4 ROLE: Impurity/Resid S: sibly carcinogenic to humans
SUBSTANCE NOTES: (VINYL ACETATE %: Impurity/Residual HAZARDS:	GS: LT-P1 IARC EU - GHS (H EU - GHS (H	e three PVAc-based adhesives. F RC: None AGENCY(anges from 1% to 3% ID: 108-0 NANO: NO ES) WITH WARNING: Group 2b - Pos: H225 - Highly fl	in the actual adhesive. 5-4 ROLE: Impurity/Resid S: sibly carcinogenic to humans ammable liquid and vapour ed of causing cancer
SUBSTANCE NOTES: (VINYL ACETATE %: Impurity/Residual HAZARDS: CANCER PHYSICAL HAZARD (REACTIVE) CANCER	GS: LT-P1 IARC EU - GHS (H EU - GHS (H TEDX - Poter	e three PVAc-based adhesives. F RC: None AGENCY(I	Ranges from 1% to 3% ID: 108-0 NANO: NO ES) WITH WARNING: Group 2b - Pos: H225 - Highly fl H351 - Suspect Potential Endoc	in the actual adhesive. 5-4 ROLE: Impurity/Resid S: sibly carcinogenic to humans ammable liquid and vapour ed of causing cancer

UV FINISHES

Inventory Threshold: 1000 ppm

%: 0.0000 - 1.0000 Residuals Considered: Yes HPD URL:

TRIFROFTLENE GLTC	OL DIACRYLATE		ID: 42978	3-66-5
%: 5.0000 - 60.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:		AGENCY(IE	S) WITH WARNING	S:
EYE IRRITATION	EU - R-phrase	25	R36 - Irritating t	o eyes
SKIN IRRITATION	EU - R-phrase	25	R38 - Irritating t	o skin
SKIN SENSITIZE	EU - R-phrase	25	R43 - May caus	e sensitization by skin contact
ACUTE AQUATIC	EU - R-phrase	25	R51 - Toxic to A	Aquatic Organisms
CHRON AQUATIC	EU - GHS (H-	Statements)	H411 - Toxic to	aquatic life with long lasting ef
SKIN IRRITATION	EU - GHS (H-	Statements)	H315 - Causes	skin irritation
SKIN IRRITATION	EU - GHS (H-	Statements)	H317 - May cau	se an allergic skin reaction
EYE IRRITATION	EU - GHS (H-	Statements)	H319 - Causes	serious eye irritation
MULTIPLE	German FEA	- Substances Hazardous to Water	rs Class 2 - Hazar	d to Waters
			Sensitizina Sub	stance Sh - Danger of skin
SKIN SENSITIZE	МАК		sensitization	
	MAK	g layers		
		g layers		
SUBSTANCE NOTES: (g layers RC: None	sensitization	
SUBSTANCE NOTES: (Composition varies amon	RC: None	sensitization	7-96-6 ROLE: Filler
SUBSTANCE NOTES: (TALC %: 5.0000 - 10.0000	Composition varies amon	RC: None	sensitization ID: 14807 NANO: NO ES) WITH WARNING Carcinogen Gro	7-96-6 ROLE: Filler
SUBSTANCE NOTES: (TALC %: 5.0000 - 10.0000 HAZARDS: CANCER	Composition varies amon GS: LT-UNK	RC: None AGENCY(IE	sensitization ID: 14807 NANO: NO ES) WITH WARNING Carcinogen Gro	7-96-6 ROLE: Filler S: pup 3B - Evidence of carcinoge
SUBSTANCE NOTES: (TALC %: 5.0000 - 10.0000 HAZARDS: CANCER	Composition varies amon GS: LT-UNK MAK	RC: None AGENCY(IE	sensitization ID: 14807 NANO: NO ES) WITH WARNING Carcinogen Gro	7-96-6 ROLE: Filler S: Sup 3B - Evidence of carcinoge sufficient for classification
SUBSTANCE NOTES: (TALC %: 5.0000 - 10.0000 HAZARDS: CANCER SUBSTANCE NOTES: (Composition varies amon GS: LT-UNK MAK	RC: None AGENCY(IE	ID: 14807 NANO: NO S) WITH WARNING: Carcinogen Gro effects but not s	7-96-6 ROLE: Filler S: Sup 3B - Evidence of carcinoge sufficient for classification
SUBSTANCE NOTES: (TALC %: 5.0000 - 10.0000 HAZARDS: CANCER SUBSTANCE NOTES: (MAGNESITE	Composition varies amon GS: LT-UNK MAK Composition varies amon	RC: None G layers RC: None	ID: 14807 NANO: NO S) WITH WARNING Carcinogen Gro effects but not s	7-96-6 ROLE: Filler S: pup 3B - Evidence of carcinoge sufficient for classification 3-0 ROLE: Filler
SUBSTANCE NOTES: (TALC %: 5.0000 - 10.0000 HAZARDS: CANCER SUBSTANCE NOTES: (MAGNESITE %: 0.1000 - 1.0000	Composition varies amon GS: LT-UNK MAK Composition varies amon	RC: None G layers RC: None RC: None AGENCY(IE	ID: 14807 NANO: NO S) WITH WARNING: Carcinogen Gro effects but not s ID: 546-9 NANO: NO	7-96-6 ROLE: Filler S: bup 3B - Evidence of carcinoge sufficient for classification 3-0 ROLE: Filler S:

DIPROPYLENE GLYCO	L DIACRYLATE		ID: 57472-	-68-1
%: 0.0000 - 60.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:		AC	GENCY(IES) WITH WARNINGS):
None Found		Nc	warnings found on HPD Priorit	y lists
SUBSTANCE NOTES: C	omposition varies amo	ng layers		
BISPHENOL A-EPICHLC	DROHYDRIN ACRYLA	ΓE	ID: 55818-	-57-0
%: 0.0000 - 60.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:		AC	GENCY(IES) WITH WARNINGS	:
None Found		Nc	warnings found on HPD Priorit	y lists
SUBSTANCE NOTES: C	omposition varies amo	ng layers		
TRIMETHYLOLPROPAN	IE TRIACRYLATE		ID: 15625	-89-5
%: 0.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:		AC	GENCY(IES) WITH WARNINGS	3:
EYE IRRITATION	EU - R-phras	ses	R36 - Irritating to) eyes
SKIN IRRITATION	EU - R-phras	ses	R38 - Irritating to	o skin
SKIN SENSITIZE	EU - R-phras	Ses	R43 - May cause	e sensitization by skin contact
RESPIRATORY	AOEC - Asth	magens	Asthmagen (Rs)	- sensitizer-induced
RESPIRATORY	AOEC - Asth	magens	nagens Asthmagen (Rr) - irritant-induced	
SKIN IRRITATION	EU - GHS (H	-Statements)	H315 - Causes skin irritation	
SKIN IRRITATION	EU - GHS (H	-Statements)	H317 - May cause an allergic skin reaction	
EYE IRRITATION	EU - GHS (H	-Statements)	H319 - Causes serious eye irritation	
SKIN SENSITIZE	МАК		Sensitizing Substance Sh - Danger of skin sensitization	
	omposition varios amo	ng layers		
SUBSTANCE NOTES: C				
SUBSTANCE NOTES: C			ID: 7631-8	36-9

HAZARDS:	AGENCY(IES) WITH WARNINGS:			S:
None Found	No warnings found on HPD Priority lists			ty lists
SUBSTANCE NOTES: 0	Composition varies amo	ng layers		
1-PROPANONE, 2-HYD	ROXY-2-METHYL-1-PH	HENYL-	ID: 7473-	98-5
%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:		AGEN	ICY(IES) WITH WARNING	S:
None Found		No wa	arnings found on HPD Priori	ty lists
SUBSTANCE NOTES: (Composition varies amo	ng layers		
QUARTZ			ID: 14808	3-60-7
%: 0.0000 - 10.0000	GS: LT-1	RC: None	NANO: NO	ROLE: Filler
HAZARDS:		AGEN	ICY(IES) WITH WARNING	S:
CANCER	IARC		Group 1 - Agent	t is Carcinogenic to humans
CANCER	US CDC - O	ccupational Carcinogens	Occupational Ca	arcinogen
CANCER	CA EPA - Pr	op 65	Carcinogen (for exposure pathw	m-specific or based on limited /ays)
CANCER	IARC			is carcinogenic to humans - cupational sources
CANCER	US NIH - Re	port on Carcinogens	Known to be Hu occupational se	uman Carcinogen (respirable size tting)
CANCER	MAK		Carcinogen Gro cancer in man	oup 1 - Substances that cause
SUBSTANCE NOTES: (Composition varies amo	ng layers		
1,6-HEXANEDIOL DIAC	RYLATE		ID: 13048	3-33-4
%: 0.0000 - 10.0000	GS: LT-P1	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:		AGEN	ICY(IES) WITH WARNING	S:
EYE IRRITATION	EU - R-phras	ses	R36 - Irritating to	o eyes
SKIN IRRITATION	EU - R-phras	ses	R38 - Irritating to	o skin

SKIN IRRITATION	EU - GHS (H-S	Statements)	H315 - Causes	skin irritation
SKIN IRRITATION	EU - GHS (H-\$	EU - GHS (H-Statements)		use an allergic skin reaction
EYE IRRITATION	EU - GHS (H-5	Statements)	H319 - Causes	serious eye irritation
MULTIPLE	German FEA -	- Substances Hazardous to Waters	s Class 2 - Hazar	rd to Waters
SKIN SENSITIZE	МАК		Sensitizing Sub sensitization	ostance Sh - Danger of skin
SUBSTANCE NOTES:	Composition varies among	g layers		
2,2'-(METHYLIMINO)B	ISETHANOL		ID: 105-5	59-9
%: 0.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Reagent
HAZARDS:			S) WITH WARNING	S:
EYE IRRITATION	EU - R-phrase	25	R36 - Irritating t	to eyes
EYE IRRITATION	EU - GHS (H-5	Statements)	H319 - Causes	serious eye irritation

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

SUSTAINABLE FORESTRY	Forest S	stewardship	Council ®
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: 235 Second Avenue Lambton G0M 1H0 Quebec CANADA CERTIFICATE URL: http://info.fsc.org/details.php?id=a0240000005sQmLAAU&type=certificate&return=certificate.php CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2013- 09-20	EXPIRY DATE: 2018-09- 19	CERTIFIER OR LAB: Rainforest Alliance

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

ALL ACCESSORIES

HPD URL: No HPD link provided

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Please consult Lambton Doors' website for more information on available accessories: http://www.lambtondoors.com/architects-space/technical-space/options-and-accessories/ ------ For the door model 5-STC31-EME/ECE/EBE, acoustical hardware are used.

Section 5: General Notes

MANUFACTURER INFORMATION

MANUFACTURER: Lambton Doors

ADDRESS: 235 2nd Avenue Lambton, Quebec G0M 1H0 Canada

WEBSITE: www.lambtondoors.com

CONTACT NAME: Keven Campagna TITLE: R&D Supervisor PHONE: 418 486 7401 EMAIL: keven.campagna@lambtondoors.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet GHS SDS Globally Harmonized System of Classi cation and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity CAN Cancer DEV Developmental toxicity END Endocrine activity EYE Eye irritation/corrosivity GEN Gene mutation GLO Global warming MAM Mammalian/systemic/organ toxicity MUL Multiple hazards NEU Neurotoxicity OZO Ozone depletion PBT Persistent Bioaccumulative Toxic

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspeci ed (insu cient data to benchmark)

Recycled Types

PreC Preconsumer (Post-Industrial) PostC Postconsumer Both Both Preconsumer and Postconsumer Unk Inclusion of recycled content is unknown None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party) Independent Lab Manufacturer's self-declaration using results from an independent lab Second Party Verification by trade association or other interested party Third Party Verification by independent certifier Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator, and when available, full GreenScreen assessments. The HPD Open Standard does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.

PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN Land Toxicity
NF Not found on Priority Hazard Lists

LT-P1 List Translator Possible Benchmark 1 LT-1 List Translator Likely Benchmark 1 LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark) UNK Unknown (no data on List Translator Lists)



COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD



NEW 45 MINUTE FLUSH DOOR ALL WOOD FSC® CERTIFIED

LAMBTON DOORS now offers its **Enviro45 Option**, a 45 minute flush wood door manufactured with **engineered composite FSC**[®] **Certified wood** which meets or exceeds WDMA and ANSI LD2 standards!

Why choose flush wood door with Enviro45 Option?

- Core, stiles and rails completely manufactured from wood.
- 45 minute fire-rated, neutral or positive pressure.
- Easy to install even if fire-rated, since it is all manufactured from wood.
- Offered at a competitive price, which means a lower total cost of your order.
- Proposes an innovative combination made entirely of engineered composite wood which means superior internal and surface characteristics.
- Allows a strengthened dimensional stability.
- Offers a superior core performance without any added blocking.
- Available with or without FSC® Certification.
- No Added Urea Formaldehyde (NAUF).
- California Air Resources Board (CARB) approved Phase I and Phase II.
- 39 lbs per cu./ft (625 kg/cu. m) density.
- Valuable alternative, at this price, to replace traditional FSC® Certified SLC and LD2 Class particlebord cores.









NEW 45 MINUTE FLUSH DOOR ALL WOOD FSC® CERTIFIED

PROVEN PERFORMANCES

	Authority & Test Code	Test Name	Duty Level Extra Heavy Duty (EHD), WDMA & LD2 ANSI	Duty Level Test Results
	WDMA-TM-7	Cycle Slam Test	EHD 1,000,000	Meets or exceeds EHD
	WDMA-TM-8	Hinge Load Resistance	EHD – 550 lbs (249 kg)	Meets or exceeds EHD
	WDMA-TM-10	Screw Withdrawal Door Face - Unblocked	EHD – 550 lbs (249 kg)	Meets or exceeds EHD
	WDMA-TM-10	Screw Withdrawal Vertical Door Edge	EHD – 550 lbs (249 kg)	Meets or exceeds EHD
	WDMA-TM-10	Screw Withdrawal Horizontal Door Edge (when hardware attached)	EHD – 300 lbs (136 kg)	Meets or exceeds EHD
	ANSI-A208.1	Modulus of Rupture	LD2 – 406 psi (29 kg/cm²)	Meets or exceeds LD2
	ANSI-A208.1	Modulus of Elasticity	LD2 – 72,500 psi (5,096 kg/cm²)	Meets or exceeds LD2
-	ANSI-A208.1	Internal Bond	LD2 – 20 psi (1,4 kg/cm²)	Meets or exceeds LD2
	ANSI-A208.1	Screw Holding Face	LD2 – 117 lbs (53 kg)	Meets or exceeds LD2
	ANSI-A208.1	Linear Expansion (max. avg. %)	LD2 - 0.40	Meets or exceeds LD2
		Corporate Member		
		boor and Hardware Institute	Specifications Institute	

FSC* C00196 The mark of

FSC

The FSC® logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council® A.C.

Customer Service

Fax: 418 486.7381 • 1 800 561.7443 (CAN/USA)

Architects and Designers You can also directly reach us at architect.designer@lambtondoors.com



COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

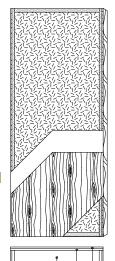


COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD



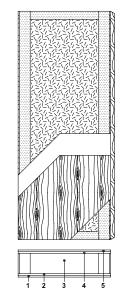
ARCHITECTURAL DOORS

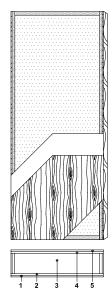


2

3

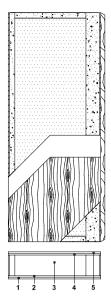
4

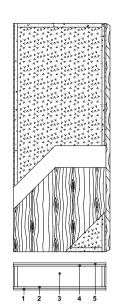




	5-FSPC-EME No Urea Formaldehyde	5-FS8300-EME No Urea Formaldehyde	5-FSLSL-EME No Urea Formaldehyde
Туре	FSC Certified Particleboard Core (interior use).	FSC Certified Particleboard Core (interior use).	FSC Certified Laminated Strand Lumber Core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09 ANSI A208.1	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09 ANSI A208.1	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09
Thickness	1-3/4" (44 mm).	1-3/4" (44 mm).	1-3/4" (44 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).	48" x 120" (1 219 mm x 3 048 mm).	48" x 120" (1 219 mm x 3 048 mm).
Stiles	7/16" (11 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL).	7/16" (11 mm) hardwood laminated to 4" (102 mm) structural composite lumber (SCL).	7/16" (11 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL).

Rails	1-7/16" (36 mm) structural composite lumber (SCL).	3" (76 mm) structural composite lumber (SCL).	1-7/16" (36 mm) structural composite lumber (SCL).
Core	Particleboard core with a density of 32-36 PCF (513-577 kg/m ³) LD-2 bonded to stiles and rails. No added urea formaldehyde resin. 100% Pre-Consumer Recycled Content. FSC Certified.	Particleboard core with a density of 32-36 PCF (513-577 kg/m ³) LD-2 bonded to stiles and rails. No added urea formaldehyde resin. 100% Pre-Consumer Recycled Content. FSC Certified.	Structural composite lumber (SCL) core with a density of 38 PCF (609 kg/m ³) bonded to the stiles. No added urea formaldehyde resin. FSC Certified.
Adhesive	Type I (waterproof);	Type I (waterproof);	Type I (waterproof);
	PVA (no urea formaldehyde); VOC < 0.683 g/L.	PVA (no urea formaldehyde); VOC < 0.683 g/L.	PVA (no urea formaldehyde); VOC < 0.683 g/L.
Face	Wood veneer, HDF or MDO bonded to a UF free	Wood veneer, HDF or MDO bonded to a UF free	Wood veneer, HDF or MDO bonded to a UF free
	composite crossband.	composite crossband.	composite crossband.
	No added urea formaldehyde resin.	No added urea formaldehyde resin.	No added urea formaldehyde resin.
Options	 20 minute rating neutral or positive pressure. Refer to Fire Door Section of our Website for details. 	 20 minute rating neutral or positive pressure. Refer to Fire Door Section of our Website for details. 	 20 minute rating neutral or positive pressure. Refer to Fire Door Section of our Website for details.
	 15/16" (24 mm) wood (mill option) or	 15/16" (24 mm) wood (mill option) or	 15/16" (24 mm) wood (mill option) or
	hardwood laminated to 1" (25 mm)	hardwood laminated to 4" (102 mm)	hardwood laminated to 1" (25 mm)
	structural composite lumber (SCL).	structural composite lumber (SCL).	structural composite lumber (SCL).
Lite and louver openings	Wood louvers not permitted in 20 minute labeled	Wood louvers not permitted in 20 minute labeled	Wood louvers not permitted in 20 minute labeled
	doors. Minimum 5" (127 mm) from stiles or	doors. Minimum 5" (127 mm) from stiles or	doors. Minimum 5" (127 mm) from stiles or
	rails. Minimum 1-1/2" (38 mm) from cut-out to	rails. Minimum 1-1/2" (38 mm) from cut-out to	rails. Minimum 1-1/2" (38 mm) from cut-out to
	cut-out. Refer to Options Section of our Website	cut-out. Refer to Options Section of our Website	cut-out. Refer to Options Section of our Website
	for details.	for details.	for details.
Notes	Stile and rail dimensions shown are rough sizes,	Stile and rail dimensions shown are rough sizes,	Stile and rail dimensions shown are rough sizes,
	before trimming. Dimensions will vary due to	before trimming. Dimensions will vary due to	before trimming. Dimensions will vary due to
	prefit requirements.	prefit requirements.	prefit requirements.
Warranty	Life of original installation.	Life of original installation.	Life of original installation.
	See our complete warranty for details.	See our complete warranty for details.	See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque	UV Finishing System. Stain, clearcoat, opaque	UV Finishing System. Stain, clearcoat, opaque
	and primed finish available. Custom color	and primed finish available. Custom color	and primed finish available. Custom color
	matching available. Seal top and bottom	matching available. Seal top and bottom	matching available. Seal top and bottom
	standard. No VOC.	standard. No VOC.	standard. No VOC.
Environmental description	Recycled Content (LEED MRc4.1, 4.2).	Recycled Content (LEED MRc4.1, 4.2).	Recycled Content (LEED MRc4.1, 4.2).
	FSC Certified Wood (LEED MRc7).	FSC Certified Wood (LEED MRc7).	FSC Certified Wood (LEED MRc7).
	Low-Emitting Materials (LEED EQc4.4).	Low-Emitting Materials (LEED EQc4.4).	Low-Emitting Materials (LEED EQc4.4).
	(İgreen	(İgreen	(İgreen







5-FSLSL-45-EME

5-FD45/60/90-EME

No orea rormaluenyue	No orea i ormanuenyue	
FSC Certified Laminated Strand Lumber Core (interior use).	Mineral Core (interior use).	
ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004	
1-3/4" (44 mm).	1-3/4" (44 mm).	
48" x 96" (1 219 mm x 2 438 mm).	3" x 120" (1219 mm x 3048 mm).	
7/16" (11 mm) hardwood laminated to proprietary material (FPCM*). Lock stile: 5" (127 mm) of propietary material (FPCM*). Hinges stile: 2" (51 mm) of propietary material (FPCM*).	7/16" (11 mm) hardwood laminated to 1" (25 mm) proprietary material (FPCM*).	
2" (51 mm) of propietary material (FPCM*).	45 min: 2" (51 mm) proprietary material (FPCM*). 60/90 min: 1-1/2" (38 mm) proprietary material (FPCM*).	
Structural composite lumber (SCL) core with a density of 38 PCF (609 kg/m ³) bonded to the stiles. No added urea formaldehyde resin. FSC Certified.	Non-combustible mineral core.	
Type I (waterproof); PVA (no urea formaldehyde); VOC < 0.683 g/L.	Type I (waterproof); PVA (no urea formaldehyde); VOC <0.683 g/L.	
Wood veneer, HDF or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.	Wood veneer, HDF or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.	
Neutral or positive pressure. Refer to Fire Door Section of our Website for details.	Neutral or positive pressure. Blocking for hardware. Refer to Fire Door Section of our Website for details.	
Cut-out for lites with metal kit only and louvers with size limitations. Refer to Options Section of our Website for details.	Cut-out for lites and louvers with size limitations. Refer to Options Section of our Website for details.	
Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.	
Life of original installation. See our complete warranty for details.	Life of original installation. See our complete warranty for details.	
UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC.	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC.	
 Recycled Content (LEED MRc4.1, 4.2). FSC Certified Wood (LEED MRc7). Low-Emitting Materials (LEED EQc4.4).	Recycled Content (LEED MRc4.1, 4.2). FSC Certified Wood (LEED MRc7). Low-Emitting Materials (LEED EQc4.4).	
(İgreen	(İgreen	

* Fire Proof Composite Material

Our Acoustical STC Door Series is UF Free and available FSC certified.

At Lambton Doors,

products that help to reduce the quantity of indoor air contaminants has led us to develop our EnviroDesign[™] Door Series with No-Urea Formaldehyde.

Please visit our Website at www.lambtondoors.com or contact our Customer Service Department for more information on how these products can help you reach your LEED[®] Project goals.



The mission of Lambton Doors is to develop, manufacture and sell high quality and value added interior wood doors and frames, of standard and ecological types, for the commercial, architectural and institutional markets.

These doors and frames meet the various North American building codes, as well as environmental codes when applicable, while respecting the customers' requirements.





COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

Customer Service

Telephone 418 486.7401 1 800 463.3124 (CAN) 1 800 363.2248 (USA)

Fax

418 486.7381 1 800 561.7443 (CAN/USA)

Web

www.lambtondoors.com info@lambtondoors.com

Architects and Designers You can also directly reach us at architect.designer@lambtondoors.com

Mail

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada



Active member of the planetary ecological movement





We believe in a transformed built environment contributing to a sustainable future.



The mark of responsible forestry

We believe in Good Forestry Stewardship Practices.

The FSC[®] logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council™ A.C.



COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD



LD-V07 06/2013

LEED[®] INFORMATION



Lambton Doors was among the first to be concerned with the effect that buildings have on our environment and is still leading the way. This brochure will provide some basic information regarding responsible Green Building practices utilizing the LEED[®] Rating System.

We welcome you to visit our website for updates.

www.lambtondoors.com

GREEN BUILDING AND THE ENVIRONMENT

What is "Green" Building and Design?

"Green" building and design are design and construction practices that meet specified standards which reduce the negative impact of buildings on their occupants and the environment.

Green Building Benefits

- Environment
- Economy
- Health and Safety
- Communities

THE LEED® RATING SYSTEM

The USGBC developed the LEED[®] Rating System, a leading-edge system for designing, constructing, operating and certifying the world's greenest buildings. LEED[®] stands for *Leadership in Energy & Environmental Design*. LEED[®] was created to:

- Define "Green" building by establishing a common standard of measurement
- · Promote integrated, whole-building design practices
- Recognize environmental leadership in the building industry

CaGBC and USGBC Certify Buildings for LEED[®]

There are 4 Award Levels:

- CERTIFIED Level 40-49 points
- SILVER Level 50-59 points
- GOLD Level 60-79 points
- PLATINUM Level
 80+ points

■ The CaGBC, through a licensing agreement with the U.S. Green Building Council (USGBC), implements the LEED[®] Green Building Rating System in Canada.

- Stimulate green competition
- Raise consumer awareness
- Transform the marketplace

Benefits of LEED® Certification

- Third party validation of achievement
- Qualify for growing array of state and local government incentives
- Contribute to growing knowledge base
- LEED[®] certification plaque to mount on building
- Official certificate
- Receive marketing exposure through USGBC or CaGBC Websites, case studies, media announcements

LEED® CATEGORIES AND ARCHITECTURAL FLUSH WOOD DOORS

There are seven main areas (categories) of project design and construction.

- Sustainable Sites
- Water Efficiency
- Energy
- Innovation and Design
- Materials & Resources (1)
- Indoor Environmental Quality (1)
- Regional Priority (1)

⁽¹⁾ This category apply to Architectural Flush Wood doors.

Please contact our office for more information: Can 1 800 463-3124 / U.S.A. 1 800 363-2248

Lambton Doors products can contribute to the calculation of points for projects pursuing LEED [®] certification										
	MATERIALS ANI	INDOOR ENVIRONMENTAL QUALITY								
	Recycled Content Materials (MRc4.1, 4.2)	Regional Materials (MRc5)	Rapidly Renewable Materials (MRc6)	Certified Wood (MRc7)	Low-Emitting Materials Composite Wood, Agrifiber and Laminate Adhesives (EQc4.4)	Low-Emitting Materials Adhesives and Sealants (EQc4.1)	Low- Emitting Materials Paints and Coatings (EQc4.2)			
				FBC* C001965						
5-FD45/60/90 EME/ECE/EBE Fire Door Mineral Core	YES Pre-Consumer Content 13% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	NO	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L		YES UV Cured Factory Finish System No VOC			
5-FSLSL-45 EME/ECE/EBE Fire Door Structural Composite Lumber	YES Pre-Consumer Content 13% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	YES 70% by volume	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L					
5-FSPC EME/ECE/EBE Particleboard	YES EPP Certified Core Total Pre-Consumer Content 83% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	YES 70% by volume	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L					
5-FS8300 EME/ECE/EBE Particleboard	YES EPP Certified Core Total Pre-Consumer Content 73% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	YES 70% by volume	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L					
5-FSLSL EME/ECE/EBE Structural Composite Lumber	YES Pre-Consumer Content 13% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	YES 70% by volume	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L					
5-FSLC EME/ECE/EBE Stave Lumber	YES Pre-Consumer Content 13% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	YES 70% by volume	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L					
5-AG45 EME/ECE/EBE Fire Door Agrifiber Core	YES Pre-Consumer Content 70% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	YES 62% by weight/vol.	YES 74% by volume, in option	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L	YES Urea formaldehyde Free / NAUF				
5-AG EME/ECE/EBE Agrifiber Core	YES Pre-Consumer Content 82% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	YES 75% by weight/vol.	YES 81% by volume, in option	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L	VOC < 0.683 g/L				
5-AG8300 EME/ECE/EBE Agrifiber Core	YES Pre-Consumer Content 67% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	YES 59% by weight/vol.	YES 88% by volume, in option	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L					
5-FD45/60/90 ME/CE/BE Fire Door Mineral Core	YES Pre-Consumer Content 13% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	NO	NO					
5/7-PC ME/CE/BE Particleboard	YES EPP Certified Core Total Pre-Consumer Content 83% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	NO	NO	Use our EED [®] ALCULATOR CHITECT SPACE our Web site				
5/7-8300 ME/CE/BE Particleboard	YES EPP Certified Core Total Pre-Consumer Content 73% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	NO						
5/7-AG45 ME/CE/BE Fire Door Agrifiber Core	YES Pre-Consumer Content 70% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	YES 60% by weight/vol.	NO	NO	site				
STC ACOUSTICAL SERIES	YES Variable percentage of Pre-Consumer Content by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	YES Variable percentage by volume, in option	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L					

The mission of Lambton Doors is to develop, manufacture and sell high quality and value added interior wood doors and frames, of standard and ecological types, for the commercial, architectural and institutional markets.

These doors and frames meet the various North American building codes, as well as environmental codes when applicable, while respecting the customers' requirements.





COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

Customer Service

Telephone 418 486.7401 1 800 463.3124 (CAN) 1 800 363.2248 (USA)

Fax

418 486.7381 1 800 561.7443 (CAN/USA)

Web

www.lambtondoors.com info@lambtondoors.com

Architects and Designers You can also directly reach us at architect.designer@lambtondoors.com

Mail

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada





We believe in a transformed built environment contributing to a sustainable future.



The mark of responsible forestry

We believe in Good Forestry Stewardship Practices.

Active member of the planetary ecological movement



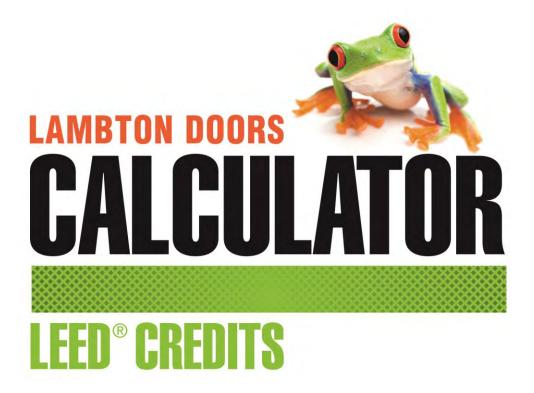
The FSC[®] logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council™ A.C.





Access our online

LEED[®] Credits Lambton Doors Calculator





TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) GOM 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.: 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248



The FSC[®] logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council[®]. Ask for our FSC[®] certified products.



Self-Declaration regarding FSC-POL-01-004 (Policy for the Association of Organizations with FSC)

The signing Organization is associated with the Forest Stewardship Council A.C., Oaxaca, Mexico, or one of its subsidiaries or affiliates (hereinafter: FSC) by being either a member of or having a contractual relationship with FSC. Hereby the signing Organization explicitly states that it has read and understood the "Policy for the Association of Organizations with FSC" as published under www.fsc.org. This policy stipulates FSC's position with regards to unacceptable activities by organizations and individuals which already are or would like to be associated with FSC as well as the mechanism for disassociation.

In light of the above, the Organization explicitly agrees currently and in the future, as long as the relationship with FSC exists, not to be directly or indirectly involved in the following unacceptable activities:

- a) Illegal logging or the trade in illegal wood or forest products;
- b) Violation of traditional and human rights in forestry operations;
- c) Destruction of high conservation values in forestry operations;
- d) Significant conversion of forests to plantations or non-forest use;
- e) Introduction of genetically modified organisms in forestry operations;
- f) Violation of any of the ILO Core Conventions as defined in the ILO Declaration on Fundamental Principles and Rights at Work.

Lambton, April 27, 2017

City, Date

Lambton Doors (2843-5816 Québec inc.), Marc Blain Authorized signature for the Organization

have



235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.: 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248



in accordance with the rules of the Forest Stewardship Council®. Ask for our FSC® certified products.



COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

Same high-quality

value-added interior wood doors and frames.

Now available with Asepti antimicrobial coated surfaces as an option.



Maintain usual daily proper hygiene and cleaning procedures as the Asepti option is not a substitute for established hygiene and disinfecting procedures. It does not protect users and others against existing bacteria, germs, mould and mildew.

We know

you need superior quality products and services above all. We now go further by offering you the Asepti option: wood doors and frames with antimicrobial coated surfaces at a very low cost.



Maintain usual daily proper hygiene and cleaning procedures as the Asepti option is not a substitute for established hygiene and disinfecting procedures. It does not protect users and others against existing bacteria, germs, viruses, disease organisms, mould and mildew. Coated surfaces of doors and frames must be cleaned to ensure they are free of destructive microbes. Lambton Doors makes no representations or warranties, express or implied, as to the effectiveness of SteriTouch[®].



The Asepti option is especially intended for heavy-traffic buildings such as educational and healthcare institutions, condominiums and hotels, offices, concert halls, military buildings and much more.

The Asepti option offers a real addedvalue to your doors and frames at a very low cost.

All additives are registered with the FDA, EPA and EFSA. Complies with JIS Z 2801:2000 independent testing.



Bacteria and microorganisms are present and travel within building areas. The Asepti option helps reduce contamination to objects and the growth of organisms such as bacteria, mould and fungi.

Asepti doors and frames incorporate builtin antimicrobial protection to shield coated surfaces from bacteria, germs, mould and mildew that may also cause staining and offensive odors.

The Asepti option inhibits the growth of microorganisms that may cause offensive odors.

The Asepti option utilizes the antimicrobial properties of ionic silver. It provides a cleaner surface and must be viewed as complementary to the usual proper hygiene and cleaning procedures used against bacteria, mould and mildew.



Complies with JIS Z 2801:2000 independent testing. The samples were tested according to the JIS Z 2801:2000 method, briefly summarized as follows:

Each test sample is inoculated with a suspension of the test organism. The inoculum is held in contact with the test sample using a sterile polyethylene film. All test samples are inoculated in triplicate, with an additional three replicates of the control.

The bacterial population of three control replicates is evaluated immediately following inoculation. This is assumed to be the initial population on all test samples (i.e. the population at zero hours).

The remaining samples are incubated for the test period (typically 24 hours) at $35 \,^{\circ}$ C, at which time the bacterial population is evaluated.



Customer Service

The Asepti option is non-toxic and has no environmental impact. No differences are visible on door or frame surfaces. Additives are added during the UV Finishing Line process. Additives are not affected by UV. Long-lasting properties. Cannot be wiped off, even with commercial chemical cleaners.



COMMERCIAL AND ARCHITECTURAL

Telephone: 418 486.7401 • 1 800 363.2248 (USA) • 1 800 463.3124 (CA Fax: 418 486.7381 • 1 800 561.7443 (CAN/USA) 235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com • info@lambtondoors.com

Architects and Designers

You can also directly reach us at architect.designer@lambtondoors.com





TECHNOLOGY DESIGN ENVIRONMENT









The Antimicrobial Smart Opening System

TECHNOLOGY DESIGN ENVIRONMENT

ASEPTI HealthCare

THE ANTIMICROBIAL SMART OPENING SYSTEM

ASEPTI HealthCare is an antimicrobial option for wood doors and hardware, specially intended for:

- Heavy-traffic buildings, such as healthcare institutions;
- Areas with a medium to high risk of hospital acquired infections.

ASEPTI HealthCare is a smart opening system, featuring:

- Doors with factory-installed hardware;
- On-site installation readiness, for:
 - Real savings in handling and administration time for the distributor,
 - **Real savings** in labour and on-site installation.

Manufactured in collaboration with Trimco Healthy Hardware™.





UNITED STATES CONSEQUENCES OF HOSPITAL ACQUIRED INFECTIONS¹

- 4th leading cause of death
- 100,000 deaths annually
- 2 million total infections per year
- Patients with infections are twice as likely to die
- \$45 billion in costs annually



WHY WORRY ABOUT HOSPITAL ACQUIRED INFECTIONS?



CANADA

CONSEQUENCES OF HOSPITAL ACQUIRED INFECTIONS

- 4th leading cause of death after heart attacks, cancer and stroke²
- 10% of patients (or 200,000) acquire an infection in the hospital ³
- 5% of these patients (or 10,000) die 3
- Canadians spend \$4 to \$5 billion each year to treat hospital acquired infections³



DOORS



ASEPTI: ANTIMICROBIAL SURFACE PROTECTION FOR DOORS

- Features the antimicrobial properties of silver ions.
- All additives are registered with the FDA, EPA and EFSA.
- Complies with JIS Z 2801: 2000 independent testing.
- Reduces the growth of organisms such as bacteria, germs, mould and mildew.

ANTIMICROBIAL SURFACE PROTECTION



- Reduces the growth of fungi that may cause staining and offensive odors.
- Inhibits the growth of microorganisms that may cause offensive odors.
- Ionic silver technology meets Medium Touch surface requirements.



The ASEPTI HealthCare option is not a substitute for established hygiene and disinfecting procedures. It does not protect users and others against existing bacteria, germs, mould, mildew and fungi. Maintaining usual daily proper hygiene and cleaning procedures is important.

IONIC SILVER TECHNOLOGY: ANTIMICROBIAL ACTION

Silver ions embedded in the material are released by ambient humidity and enter the cell membrane.

The silver ions destabilize the membrane, impede respiration and paralyze cell division while blocking DNA reproduction.



EFFICACY OF IONIC SILVER TECHNOLOGY AFTER 24 HRS

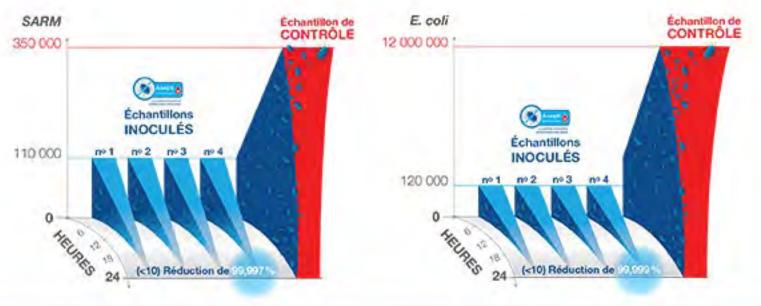


STERITOUCH® IONIC SILVER TECHNOLOGY

ANTIMICROBIAL PERFORMANCE OF SAMPLES CONTAINING STERITOUCH[®] IONIC SILVER ADDITIVES ⁴

Samples inoculated with methicillin-resistant *Staphylococcus aureus* (MRSA) bacteria

Samples inoculated with E. coli bacteria



LAMBTON DOORS makes no representations or warranties, express or implied, as to the effectiveness of SteriTouch[®].

HARDWARE



HEALTHY HARDWARE™

The ASEPTI HealthCare Series from LAMBTON DOORS features Healthy Hardware[™] by Trimco.

Healthy Hardware[™]:

- Has the bactericidal properties of CuVerro[®] copper alloy.
- Registered with the EPA (U.S. Environmental Protection Agency).
- 99.9% of bacteria are killed within 2 hours when surfaces are cleaned regularly.

In collaboration with



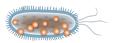
CUVERRO® COPPER ION TECHNOLOGY⁵

COPPER ION TECHNOLOGY: BACTERICIDAL ACTION

Copper ions on the surface of bacteria are recognized as essential nutrients and enter the cell.

A lethal dose of copper ions interferes with normal cell functions and membrane integrity.

Copper ions impede cell respiration/ metabolism, sometimes causing DNA damage.







- Kills the most virulent bacteria, such as methicillinresistant *Staphylococcus aureus* (MRSA) and *E. coli.*
- Kills bacteria for the entire useful life of the product.
- Looks like stainless steel to match other hardware products.
- Wide range of hardware and touch surfaces available.
- Made in the U.S.A. with pre- and post-consumer recycled materials.
- Copper alloy technology meets High Touch surface requirements.



Laboratory testing shows that, when cleaned regularly, CuVerro® surfaces kill more than 99.9% of the following bacteria within 2 hours of exposure: methicillin-resistant *Staphylococcus aureus* (MRSA), *Staphylococcus aureus*, *Enterobacter aerogenes*, *Pseudomonas aeruginosa*, *E. coli* O157:H7 and vancomycin-resistant *Enterococci* (VRE).

The use of CuVerro® bactericidal copper products is a supplement and not a substitute for standard infection control practices. Users must follow all current infection control practices, including those related to hygiene, cleaning and disinfection of environmental surfaces. The use of CuVerro® products has been shown to reduce microbial contamination but does not necessarily prevent cross contamination. CuVerro® is a registered trademark of GBC Metals, LLC and is used with permission (TR-0002-1509). See CuVerro.com for more details.

6



THE DEEP RICH BEAUTY OF WOOD

There are several competitive surface materials in the institutional door industry, yet nothing surpasses **the deep rich beauty of wood**. But what about resistance and health?

- Our UV Finishing System and 100% polyurethane solids result in wood doors with:
 - **Chemical and solvent resistance** comparable to high pressure decorative laminate (HPDL), meeting the ASTM D1308 standard;
- Impact resistance (1 lb. steel ball at 17 inches).
- Indoor wood surfaces also reduce stress and **promote health** in building occupants ⁶.

The beauty of wood may also comes with our blind edge (BE) option:

- Completely invisible crossbandIdeal for Extra Heavy Duty Use
- High impact resistance
- No risk of delamination

WHY CHOOSE WOOD DOORS?





COMBINE THE ASEPTI HEALTHCARE OPTION WITH EDGEFENDER, OUR IMPACT-RESISTANT DOOR EDGE PROTECTOR

A high percentage of damage to doors occurs on the door edges.

EDGEFENDER:

- Prevents condensation and microbial growth.
- Inhibits organisms from attaching to the door surface.
- Is made of ultra-resilient PVC for superior resistance and easy maintenance.
- Complements the pattern and color of the wood or door face veneer.

5. TRIMCO. Healthy Hardware™ by Trimco, *Hardware made with bactericidal copper*. Pages 3 and 5 of 6.

6. FELL, David. "Wood and Human Health", FPInnovations in collaboration with Natural Resources Canada and The University of British Columbia's A Piece of Mind. Page 6 of 6.



TECHNOLOGY DESIGN ENVIRONMENT



MISSION

At LAMBTON DOORS, our mission is to develop and manufacture high-quality, value-added interior wood doors and frames for our North American commercial, architectural and institutional clients.

To meet our clients' needs and respond to new market opportunities, we focus on the quality of our human resources, use state-of-the-art technologies and offer harmoniously designed, environmentally friendly products.



SUBSCRIBE TO OUR NEWSLETTER





USA

Fax 418 486.7381

1 800 561.7443 CAN / USA

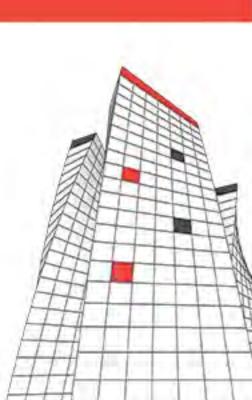
235, 2nd Avenue, Lambton

418 486.7401

1 800 463.3124 CAN 1 800 363.2248 USA

(Quebec) GOM 1H0 Canada

info@lambtondoors.com architect.designer@lambtondoors.com www.lambtondoors.com



Printed in Canada







TECHNOLOGY DESIGN ENVIRONMENT

C. Français

Visit our Website

www.lambtondoors.com



Subscribe to our Newsletter, click here Canada USA



Watch our **Corporate Video**



AMBTON

2216-11-16-10-16,21 GOING FORWARD (1) LAMBTON DOORS NEW LAMETON GOORS sourceas as NEW CORPORATE LOOK and

over the next year we will be gradually updating our Mansture with the new logistype and corporate image. Our inspiration in developing this new CONTEMPORARY AND MODERN (suite)

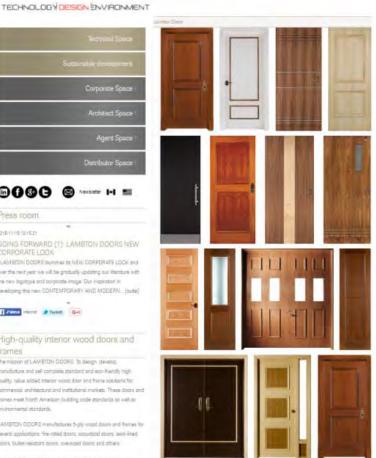
Talma insons @ Tweet. Get

High-quality interior wood doors and frames

The mission of LAMSTON COORS. Th design, develop, manufacture and sell complete standard and eco-friendly high quality, value added intensy wood door and frame solutions for operation architectural and institutional markets. These doors and frames meet North American building code grandants as well as environmental standarde.

LAMBTON DDDRS menufactures 5-ply wood doors and frames for several applications fire-rated doors accurtized doors land-lined doors, builet-realizant doors, oversized doors and others.

Ar LAMETON DOORS, we believe in a transformed built





OPENINGS TO THE WORLD



U.V. Finishing System

- Characteristics equivalent to or better than AWI TR-8 and OP-8, new SYSTEM 9 according to AWS Edition 1-2009 for all our Door Series.
- Meet WDMA I.S.1A Extra Heavy Duty Standard.
- Semi-filled appearance.
- Satin sheen between 30 to 35 degrees.
- Roller coat system allowing stain to penetrate deep into the wood pores creating that deep rich look.
- 100% polyurethane solids, in comparison TR-2 catalyzed lacquer with 28% and TR-8 catalyzed polyurethane with 57%.
- Environmentally safe, or green product (No Volatile Organic Compounds – VOC).
- Non-yellowing formula stays clear.
- A hard durable finish.
- Solvent resistant.
- Wear and moisture resistant.
- Cold check resistant.
- Impact resistant (1 lb. steel ball at 17 inches).
- Print resistant.
- · Chemical resistant (most common chemicals found in homes or offices).
- Automatic lifetime warranty.







19-Step Finish Process

- 1. Raw door face veneer and stiles are sanded with 180 grit paper.
- 2. Prior to stain or sealer application, a fine sanding with 220 grit paper through a high-precision electronic state-of-the-art wide belt sanding machine is performed.
- Faces and stiles have water based stain applied with a direct and reverse roller coat system.
 Depending on desired color, two coats may be required.
- 4. Two separate brushes push the stain deep into the pores while wiping off excess stain.
- 5. Door travels through a 50-foot drying oven making product dry to the touch in minutes.
- 6. Top and bottom rails are sealed with polyurethane.
- 7. Stiles are machine sprayed with polyurethane.
- 8. A 100% solid polyurethane sealer is applied with a roller coat system on face.
- 9. Door travels through ultraviolet lite for curing.
- 10. A second 100% solid polyurethane sealer is applied with a roller coat system on face.
- 11. Door travels through ultraviolet lite for curing.
- 12. Opposite face of door passes through the same 1 thru 11 step process.
- 13. A final face sanding with 280 grit finishing paper is performed to ensure a smooth finish.
- 14. A first top coat of 100% solid polyurethane is applied with a roller coat system.
- 15. Door travels through ultraviolet lite for curing.
- 16. A final top coat of 100% solid polyurethane is applied with a roller coat system.
- 17. Door travels through ultraviolet lite for curing.
- 18. Opposite face of door passes through the same 13 thru 17 step process.
- 19. Door is inspected both sides for quality control.

A 19-STEP PROCESS INSURING EVERY DOOR MEETS AWS Edition 1-2009 SYSTEM 9.



COLORS

PLS-100 CLEAR FINISH



ROTARY NATURAL BIRCH



ROTARY WHITE BIRCH



B PLAIN SLICED WHITE BIRCH



PLAIN SLICED RED OAK



5 PLAIN SLICED WHITE OAK





PLAIN SLICED CHERRY



PLAIN SLICED MAHOGANY



PLAIN SLICED WALNUT



10 PLAIN SLICED MAPLE



11 QUARTER CUT MAHOGANY

PLS-101 VILLAGE OAK



ROTARY NATURAL BIRCH







PLAIN SLICED WHITE BIRCH



4 PLAIN SLICED RED OAK



5 PLAIN SLICED WHITE OAK

RIFT CUT

RED OAK







8 PLAIN SLICED MAHOGANY







10 PLAIN SLICED MAPLE



11 QUARTER CUT MAHOGANY



PLS-102 INDONESIAN TEAK



ROTARY NATURAL BIRCH



2 ROTARY WHITE BIRCH



B PLAIN SLICED WHITE BIRCH



4 PLAIN SLICED RED OAK



5 PLAIN SLICED WHITE OAK





PLAIN SLICED CHERRY



PLAIN SLICED MAHOGANY



PLAIN SLICED WALNUT



10 PLAIN SLICED MAPLE



QUARTER CUT MAHOGANY



COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

Species

- **1** ROTARY NATURAL BIRCH
- 2 ROTARY WHITE BIRCH
- **3** PLAIN SLICED WHITE BIRCH
- 4 PLAIN SLICED RED OAK
- **5** PLAIN SLICED WHITE OAK
- 6 RIFT CUT RED OAK
- 7 PLAIN SLICED CHERRY
- 8 PLAIN SLICED MAHOGANY
- 9 PLAIN SLICED WALNUT
- **10** PLAIN SLICED MAPLE
- 11 QUARTER CUT MAHOGANY



6 RIFT CUT RED OAK



Very Important

The printed color samples presented in this Color Guide are to be used for reference only.

A Pre-finished Veneer sample has to be approved and returned to Lambton Doors before production.

Custom Color Match

At Lambton Doors we put a lot of care and hard work into our wood doors.

Using our state-of-the-art equipment in a bright, dust free environment, we ensure uniform color, texture and sheen.

If a desired color is not available from our standard Color Guide, our finish system can be easily customized to match any existing color you may desire.

Wood Particularities

Wood being a natural product with its own unique character, color and grain patterns can vary even when taken from the same tree.

When doors are stained or finished, any color variations that existed prior to finishing will show after finishing. These individual patterns are part of the natural charm and beauty of wood.

COLORS

PLS-103 STRATFORD MAHOGANY



ROTARY NATURAL BIRCH





8 PLAIN SLICED MAHOGANY

PLAIN SLICED

CHERRY



PLAIN SLICED WALNUT



10 PLAIN SLICED MAPLE



11 QUARTER CUT MAHOGANY

WHITE BIRCH

ROTARY



PLAIN SLICED WHITE BIRCH



PLAIN SLICED RED OAK



PLAIN SLICED WHITE OAK



6 RIFT CUT RED OAK

PLS-104 EMBASSY WALNUT



ROTARY NATURAL BIRCH



ROTARY WHITE BIRCH



PLAIN SLICED WHITE BIRCH



PLAIN SLICED RED OAK



PLAIN SLICED WHITE OAK





PLAIN SLICED CHERRY



PLAIN SLICED MAHOGANY



PLAIN SLICED WALNUT



PLAIN SLICED 1(MAPLE



QUARTER CUT MAHOGANY

1

PLS-105 ROSE WOOD



ROTARY NATURAL BIRCH



ROTARY WHITE BIRCH



PLAIN SLICED WHITE BIRCH



PLAIN SLICED RED OAK



PLAIN SLICED WHITE OAK







PLAIN SLICED CHERRY



PLAIN SLICED MAHOGANY



PLAIN SLICED WALNUT







QUARTER CUT 11 MAHOGANY



The mission of Lambton Doors is to develop, manufacture and sell high quality and value added interior wood doors and frames, of standard and ecological types, for the commercial, architectural and institutional markets.

These doors and frames meet the various North American building codes, as well as environmental codes when applicable, while respecting the customers' requirements.









COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

Customer Service

Telephone 418 486.7401 1 800 463.3124 (CAN) 1 800 363.2248 (USA)

Fax

418 486.7381 1 800 561.7443 (CAN/USA)

Web

www.lambtondoors.com info@lambtondoors.com

Architects and Designers You can also directly reach us at architect.designer@lambtondoors.com

Mail

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada





We believe in a transformed built environment contributing to a sustainable future.



The mark of responsible forestry

We believe in Good Forestry Stewardship Practices.

Active member of the planetary ecological movement





TECHNOLOGY DESIGN ENVIRONMENT

C. Français

Visit our Website

www.lambtondoors.com



Subscribe to our Newsletter, click here Canada USA



Watch our **Corporate Video**



AMBTON

2216-11-16-10-16,21 GOING FORWARD (1) LAMBTON DOORS NEW LAMETON GOORS sourceas as NEW CORPORATE LOOK and

over the next year we will be gradually updating our Mansture with the new logistype and corporate image. Our inspiration in developing this new CONTEMPORARY AND MODERN (suite)

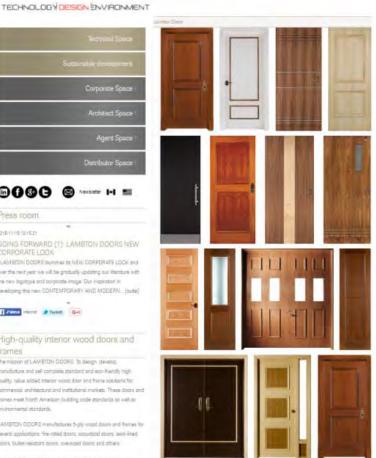
Talma insons @ Tweet. Get

High-quality interior wood doors and frames

The mission of LAMSTON COORS. Th design, develop, manufacture and sell complete standard and eco-friendly high quality, value added intensy wood door and frame solutions for operation architectural and institutional markets. These doors and frames meet North American building code grandants as well as environmental standarde.

LAMBTON DDDRS menufactures 5-ply wood doors and frames for several applications fire-rated doors accurtized doors land-lined doors, builet-realizant doors, oversized doors and others.

Ar LAMETON DOORS, we believe in a transformed built





OPENINGS TO THE WORLD

Condo Lifestyle Series

LD-V02 02/2010

Condo Lífestyle Seríes

Imagine Design Create



Designers, architects : imagine, design and create your own door with our *Condo Lifestyle Series Door*.

This *unique condo package* includes door, jamb and casing up to 90 minute.

Lambton Doors can provide interior doors to match the unit entries.

The *Condo Lifestyle Series Door* offers architects and designers the same design and technical options available in our *Architectural/Designer Series*. See the DESIGNER/LIFESTYLE Section of our Website.

Architects and designers take advantage of this series for many reasons:

- lifetime warranty prefinished doors
- fully bonded construction
 avoids telegraphing year after year
- factory finishing
 - provides a uniform finish for doors, jamb and casing
 - uses an environmentally friendly finishing process
 - results in a completely sealed door
 - · provides stability to the structure of the door year after year
 - is environmentally friendly for workers and condo residents
 - provides a furniture quality finish
- it offers value added options:
 - such as specialty glass, metal inlays, reveals, applied moldings, louvers, panels and UF Free
 - at a very competitive price when compared to onsite finishing.

Call our Customer Service Department today for more information.

Imagine . Design .



The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council A.C.



235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada 418 486.7401 • CAN 1 800 463.3124 • USA 1 800 363.2248 www.lambtondoors.com | info@lambtondoors.com













LAMBTON DOORS

OOR MANUFACTURER



OPENINGS TO THE WORLD



LD-V01 02/2010

LAMBTON DOORS develops, manufactures and sells high quality and value added interior wood doors and frames of standard and ecological types for the high-end residential, commercial, architectural and institutional markets.

Some of our doors and frames are certified fire-resistant up to 90 minutes. In addition it is possible to coordinate the type of veneer and the design of your frames with your doors.

- Fire-rated
 - STC •
- Lead-lined •
- Bullet-resistant •

Even though our standard products are always available, 1998 marked the beginning of a new green revolution beneficial to the company. Today all of our manufacturing procedures, from the treatment of the waste in the factory to the finished product, are designed to respect the environment and to be in harmony with nature. Several of our products, such as those of the EnviroDesign Series[™] with No Urea Formaldehyde, contribute to the calculation of points for projects in different categories leading up to a LEED[®] certification.

LAMBTON DOORS has carried out many projects throughout North America as well as others internationally. We offer a vast choice of doors and frames for various types of construction: Government and military buildings, head offices, sports complexes, hospitals, hotels, condominiums and offices, schools, colleges, universities, banks and courthouses. We also offer a range of products for the high-end residential market.





Commercial, architectural and institutional



Residential high-end LifeStyle Collection

It is noteworthy that LAMBTON DOORS has set up a rigorous system of standardization and control of its manufacturing procedures, that we offer exclusively doors of maximum endurance since the frame is entirely bonded to the core, that our doors are perfectly calibrated and that we use only composite wood such as laminated wood fiber. This explains why all of our products are guaranteed for life, regardless of the door structure





LAMBTON DOORS started its operations in 1947. Situated on the border between the Eastern Townships and the Beauce in Quebec, Canada, we employ two hundred people. A wide variety of literature is available on demand. You can also visit our Website for more information. *www.lambtondoors.com*

The mission of Lambton Doors is to develop, manufacture and sell high quality and value added interior wood doors and frames, of standard and ecological types, for the commercial, architectural and institutional markets.

These doors and frames meet the various North American building codes, as well as environmental codes when applicable, while respecting the customers' requirements.





COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

Customer Service

Telephone 418 486.7401 1 800 463.3124 (CAN) 1 800 363.2248 (USA)

Fax

418 486.7381 1 800 561.7443 (CAN/USA)

Web

www.lambtondoors.com info@lambtondoors.com

Architects and Designers You can also directly reach us at architect.designer@lambtondoors.com

Mail

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada



Active member of the planetary ecological movement





We believe in protecting ecosystems and the people and wildlife that depend on them.



We believe in a transformed built environment contributing to a sustainable future.



We believe in Good Forestry Stewardship Practices.

The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council A.C.



OPENINGS TO THE WORLD

The impact-resistant door edge protector is indicated for heavy-traffic buildings, such as hospitals, hotels and schools.



EDGEFENDER is the ideal solution for protection against repeated impacts on door edges caused mostly by users, employees and maintenance staff who circulate with suitcases, carts of all kinds, beds and stretchers, housekeeping devices and other equipment.



IMPACT-RESISTANT DOOR EDGE PROTECTOR



We know that a high percentage of damage to doors occurs on the door edges. We also know that a majority of people appreciate the inherent value and deep rich beauty of wood. That's why LAMBTON DOORS offers solid core wood interior doors with its **EDGEFENDER option: the impact-resistant door edge protector**.

Flexible PVC door edge protector |1|:
 Resilient design for longer life.



- Semi-rigid and 1/8 in (3.2 mm) thick to absorb repeated impacts and prevent damage to the veneer [2].
- Superior resistance to repeated impacts, scratches, abrasions, stains, household cleansers, oxidation and humidity.
- Hygienic. Prevents condensation and microbial growth and inhibits organisms from attaching to the door surface.
- Easy maintenance.
- Complements the pattern and color of the door face veneer [3].
 - Wood veneer faces bring out the deep rich beauty of wood [4].

IMPACT-RESISTANT DOOR EDGE PROTECTOR



- Heavy-duty jamb and door solution at a competitive cost.
- Available in a wide range of impactresistant laminate faces from such manufacturers as Wilsonart, Formica, Nevamar, Pionite, Flakeboard, Panolam, Panval, Tafisa and Parapan. In each case, the edge protector is matched to the pattern and color of the laminate using the manufacturer's product identification code.
- Available with our **ASEPTI antimicrobial** coated surface option.



 Available in our no urea formaldehyde EnviroDesign Series[™].



 Available in a fire-rated door up to 90 minutes, as well as lead lined, acoustical, standard and oversized doors.





TECHNICAL PROPERTIES

Physical	British system	International system	Test method	
Specific gravity	1.34	1.34 g/cm ³	ASTM D792	
Mechanical	British system	International system	Test method	
Tensile strength ¹ (at break)	3590 PSI	24.8 MPa	ASTM D638	
Tensile elongation ¹ (at break)	270%	270%	ASTM D638	
Elastomers	British system	International system	Test method	
Tear strength ²	634 lbf/in	111 kN/m	ASTM D624	
Hardness	British system	International system	Test method	
Durometer hardness (Shore D, 15 sec)	65	65	ASTM D2240	
Thermal	British system	International system	Test method	
Brittleness temperature	44.6 °F	7 °C	ASTM D746	
Extrusion	British system	International system	Test method	
Melt temperature	355 - 360 °F	179 - 182 °C	N/A	

1. 20 in/min (510 mm/min)

2. Die C, 20 in/min (510 mm/min)



LD V02 - 03/2015

Customer Service

Telephone: 418 486.7401 • 1 800 463.3124 (CAN) • 1 800 363.2248 (USA) Fax: 418 486.7381 • 1 800 561.7443 235, 2nd Avenue, Lambton (Québec) G0M 1H0 Canada www.lambtondoors.com • info@lambtondoors.com

Architects and Designers You can also directly reach us at

You can also directly reach us at architect.designer@lambtondoors.com



OPENINGS TO THE WORLD



NEW 45 MINUTE FLUSH DOOR ALL WOOD FSC® CERTIFIED

LAMBTON DOORS now offers its **Enviro45 Option**, a 45 minute flush wood door manufactured with **engineered composite FSC**[®] **Certified wood** which meets or exceeds WDMA and ANSI LD2 standards!

Why choose flush wood door with Enviro45 Option?

- Core, stiles and rails completely manufactured from wood.
- 45 minute fire-rated, neutral or positive pressure.
- Easy to install even if fire-rated, since it is all manufactured from wood.
- Offered at a competitive price, which means a lower total cost of your order.
- Proposes an innovative combination made entirely of engineered composite wood which means superior internal and surface characteristics.
- Allows a strengthened dimensional stability.
- Offers a superior core performance without any added blocking.
- Available with or without FSC® Certification.
- No Added Urea Formaldehyde (NAUF).
- California Air Resources Board (CARB) approved Phase I and Phase II.
- 39 lbs per cu./ft (625 kg/cu. m) density.
- Valuable alternative, at this price, to replace traditional FSC® Certified SLC and LD2 Class particlebord cores.









NEW 45 MINUTE FLUSH DOOR ALL WOOD FSC® CERTIFIED

PROVEN PERFORMANCES

	Authority & Test Code	Test Name	Duty Level Extra Heavy Duty (EHD), WDMA & LD2 ANSI	Duty Level Test Results
	WDMA-TM-7	Cycle Slam Test	EHD 1,000,000	Meets or exceeds EHD
	WDMA-TM-8	Hinge Load Resistance	EHD – 550 lbs (249 kg)	Meets or exceeds EHD
	WDMA-TM-10	Screw Withdrawal Door Face - Unblocked	EHD – 550 lbs (249 kg)	Meets or exceeds EHD
	WDMA-TM-10	Screw Withdrawal Vertical Door Edge	EHD – 550 lbs (249 kg)	Meets or exceeds EHD
	WDMA-TM-10	Screw Withdrawal Horizontal Door Edge (when hardware attached)	EHD – 300 lbs (136 kg)	Meets or exceeds EHD
	ANSI-A208.1	Modulus of Rupture	LD2 – 406 psi (29 kg/cm²)	Meets or exceeds LD2
	ANSI-A208.1	Modulus of Elasticity	LD2 – 72,500 psi (5,096 kg/cm²)	Meets or exceeds LD2
	ANSI-A208.1	Internal Bond	LD2 – 20 psi (1,4 kg/cm²)	Meets or exceeds LD2
	ANSI-A208.1	Screw Holding Face	LD2 – 117 lbs (53 kg)	Meets or exceeds LD2
	ANSI-A208.1	Linear Expansion (max. avg. %)	LD2 - 0.40	Meets or exceeds LD2
		Corporate Hember		
		boor and Hardware Institute	Specifications Institute	

FSC* C00196 The mark of

FSC

The FSC® logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council® A.C.

Customer Service

Fax: 418 486.7381 • 1 800 561.7443 (CAN/USA)

Architects and Designers You can also directly reach us at architect.designer@lambtondoors.com



COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER



TECHNOLOGY DESIGN ENVIRONMENT

C. Français

Visit our Website

www.lambtondoors.com



Subscribe to our Newsletter, click here Canada USA



Watch our **Corporate Video**



AMBTON

2216-11-16-10-16,21 GOING FORWARD (1) LAMBTON DOORS NEW LAMETON GOORS sourceas as NEW CORPORATE LOOK and

over the next year we will be gradually updating our Mansture with the new logistype and corporate image. Our inspiration in developing this new CONTEMPORARY AND MODERN (suite)

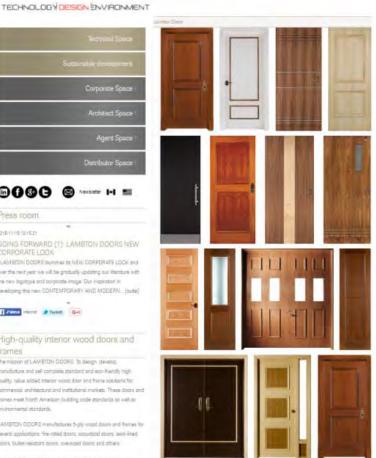
Talma insons @ Tweet. Get

High-quality interior wood doors and frames

The mission of LAMSTON COORS. Th design, develop, manufacture and sell complete standard and eco-friendly high quality, value added intensy wood door and frame solutions for operation architectural and institutional markets. These doors and frames meet North American building code grandants as well as environmental standarde.

LAMBTON DDDRS menufactures 5-ply wood doors and frames for several applications fire-rated doors accurtized doors land-lined doors, builet-realizant doors, oversized doors and others.

Ar LAMETON DOORS, we believe in a transformed built

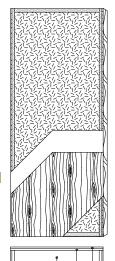




OPENINGS TO THE WORLD



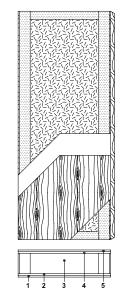
ARCHITECTURAL DOORS

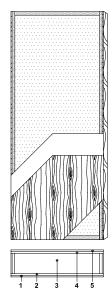


2

3

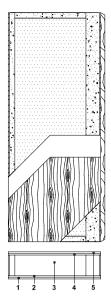
4

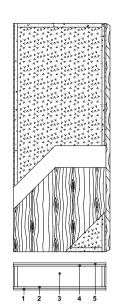




	5-FSPC-EME No Urea Formaldehyde	5-FS8300-EME No Urea Formaldehyde	5-FSLSL-EME No Urea Formaldehyde
Туре	FSC Certified Particleboard Core (interior use).	FSC Certified Particleboard Core (interior use).	FSC Certified Laminated Strand Lumber Core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09 ANSI A208.1	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09 ANSI A208.1	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09
Thickness	1-3/4" (44 mm).	1-3/4" (44 mm).	1-3/4" (44 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).	48" x 120" (1 219 mm x 3 048 mm).	48" x 120" (1 219 mm x 3 048 mm).
Stiles	7/16" (11 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL).	7/16" (11 mm) hardwood laminated to 4" (102 mm) structural composite lumber (SCL).	7/16" (11 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL).

Rails	1-7/16" (36 mm) structural composite lumber 3" (76 mn (SCL).		1-7/16" (36 mm) structural composite lumber (SCL).	
Core	Particleboard core with a density of 32-36 PCF Particleboard core (513-577 kg/m³) LD-2 bonded to stiles and rails. (513-577 kg/m²) L No added urea for No added urea for 100% Pre-Consumer Recycled Content. 100% Pre-Consum FSC Certified. FSC Certified.		Structural composite lumber (SCL) core with a density of 38 PCF (609 kg/m ³) bonded to the stiles. No added urea formaldehyde resin. FSC Certified.	
Adhesive	Type I (waterproof);	Type I (waterproof);	Type I (waterproof);	
	PVA (no urea formaldehyde); VOC < 0.683 g/L.	PVA (no urea formaldehyde); VOC < 0.683 g/L.	PVA (no urea formaldehyde); VOC < 0.683 g/L.	
Face	Wood veneer, HDF or MDO bonded to a UF free	Wood veneer, HDF or MDO bonded to a UF free	Wood veneer, HDF or MDO bonded to a UF free	
	composite crossband.	composite crossband.	composite crossband.	
	No added urea formaldehyde resin.	No added urea formaldehyde resin.	No added urea formaldehyde resin.	
Options	 20 minute rating neutral or positive pressure. Refer to Fire Door Section of our Website for details. 	 20 minute rating neutral or positive pressure. Refer to Fire Door Section of our Website for details. 	 20 minute rating neutral or positive pressure. Refer to Fire Door Section of our Website for details. 	
	 15/16" (24 mm) wood (mill option) or	 15/16" (24 mm) wood (mill option) or	 15/16" (24 mm) wood (mill option) or	
	hardwood laminated to 1" (25 mm)	hardwood laminated to 4" (102 mm)	hardwood laminated to 1" (25 mm)	
	structural composite lumber (SCL).	structural composite lumber (SCL).	structural composite lumber (SCL).	
Lite and louver openings	Wood louvers not permitted in 20 minute labeled	Wood louvers not permitted in 20 minute labeled	Wood louvers not permitted in 20 minute labeled	
	doors. Minimum 5" (127 mm) from stiles or	doors. Minimum 5" (127 mm) from stiles or	doors. Minimum 5" (127 mm) from stiles or	
	rails. Minimum 1-1/2" (38 mm) from cut-out to	rails. Minimum 1-1/2" (38 mm) from cut-out to	rails. Minimum 1-1/2" (38 mm) from cut-out to	
	cut-out. Refer to Options Section of our Website	cut-out. Refer to Options Section of our Website	cut-out. Refer to Options Section of our Website	
	for details.	for details.	for details.	
Notes	Stile and rail dimensions shown are rough sizes,	Stile and rail dimensions shown are rough sizes,	Stile and rail dimensions shown are rough sizes,	
	before trimming. Dimensions will vary due to	before trimming. Dimensions will vary due to	before trimming. Dimensions will vary due to	
	prefit requirements.	prefit requirements.	prefit requirements.	
Warranty	Life of original installation.	Life of original installation.	Life of original installation.	
	See our complete warranty for details.	See our complete warranty for details.	See our complete warranty for details.	
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC.	olor and primed finish available. Custom color and primed finish available. Custom color		
Environmental description	Recycled Content (LEED MRc4.1, 4.2).	Recycled Content (LEED MRc4.1, 4.2).	Recycled Content (LEED MRc4.1, 4.2).	
	FSC Certified Wood (LEED MRc7).	FSC Certified Wood (LEED MRc7).	FSC Certified Wood (LEED MRc7).	
	Low-Emitting Materials (LEED EQc4.4).	Low-Emitting Materials (LEED EQc4.4).	Low-Emitting Materials (LEED EQc4.4).	
	(green	(İgreen	(İgreen	







5-FSLSL-45-EME

5-FD45/60/90-EME

No orea rormaluenyue	No orea i ormanuenyue
FSC Certified Laminated Strand Lumber Core (interior use).	Mineral Core (interior use).
ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004
1-3/4" (44 mm).	1-3/4" (44 mm).
48" x 96" (1 219 mm x 2 438 mm).	48" x 120" (1 219 mm x 3 048 mm).
7/16" (11 mm) hardwood laminated to proprietary material (FPCM*). Lock stile: 5" (127 mm) of propietary material (FPCM*). Hinges stile: 2" (51 mm) of propietary material (FPCM*).	7/16" (11 mm) hardwood laminated to 1" (25 mm) proprietary material (FPCM*).
2" (51 mm) of propietary material (FPCM*).	45 min: 2" (51 mm) proprietary material (FPCM*). 60/90 min: 1-1/2" (38 mm) proprietary material (FPCM*).
Structural composite lumber (SCL) core with a density of 38 PCF (609 kg/m ³) bonded to the stiles. No added urea formaldehyde resin. FSC Certified.	Non-combustible mineral core.
Type I (waterproof); PVA (no urea formaldehyde); VOC < 0.683 g/L.	Type I (waterproof); PVA (no urea formaldehyde); VOC <0.683 g/L.
Wood veneer, HDF or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.	Wood veneer, HDF or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.
Neutral or positive pressure. Refer to Fire Door Section of our Website for details.	Neutral or positive pressure. Blocking for hardware. Refer to Fire Door Section of our Website for details.
Cut-out for lites with metal kit only and louvers with size limitations. Refer to Options Section of our Website for details.	Cut-out for lites and louvers with size limitations. Refer to Options Section of our Website for details.
Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Life of original installation. See our complete warranty for details.	Life of original installation. See our complete warranty for details.
UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC.	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC.
Recycled Content (LEED MRc4.1, 4.2). FSC Certified Wood (LEED MRc7). Low-Emitting Materials (LEED EQc4.4).	Recycled Content (LEED MRc4.1, 4.2). FSC Certified Wood (LEED MRc7). Low-Emitting Materials (LEED EQc4.4).
(İgreen	(İgreen

* Fire Proof Composite Material

Our Acoustical STC Door Series is UF Free and available FSC certified.

At Lambton Doors,

products that help to reduce the quantity of indoor air contaminants has led us to develop our EnviroDesign[™] Door Series with No-Urea Formaldehyde.

Please visit our Website at www.lambtondoors.com or contact our Customer Service Department for more information on how these products can help you reach your LEED[®] Project goals.



The mission of Lambton Doors is to develop, manufacture and sell high quality and value added interior wood doors and frames, of standard and ecological types, for the commercial, architectural and institutional markets.

These doors and frames meet the various North American building codes, as well as environmental codes when applicable, while respecting the customers' requirements.





COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

Customer Service

Telephone 418 486.7401 1 800 463.3124 (CAN) 1 800 363.2248 (USA)

Fax

418 486.7381 1 800 561.7443 (CAN/USA)

Web

www.lambtondoors.com info@lambtondoors.com

Architects and Designers You can also directly reach us at architect.designer@lambtondoors.com

Mail

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada



Active member of the planetary ecological movement





We believe in a transformed built environment contributing to a sustainable future.



The mark of responsible forestry

We believe in Good Forestry Stewardship Practices.

The FSC[®] logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council™ A.C.



OPENINGS TO THE WORLD



LD-V07 06/2013

LEED[®] INFORMATION



Lambton Doors was among the first to be concerned with the effect that buildings have on our environment and is still leading the way. This brochure will provide some basic information regarding responsible Green Building practices utilizing the LEED[®] Rating System.

We welcome you to visit our website for updates.

www.lambtondoors.com

GREEN BUILDING AND THE ENVIRONMENT

What is "Green" Building and Design?

"Green" building and design are design and construction practices that meet specified standards which reduce the negative impact of buildings on their occupants and the environment.

Green Building Benefits

- Environment
- Economy
- Health and Safety
- Communities

THE LEED® RATING SYSTEM

The USGBC developed the LEED[®] Rating System, a leading-edge system for designing, constructing, operating and certifying the world's greenest buildings. LEED[®] stands for *Leadership in Energy & Environmental Design*. LEED[®] was created to:

- Define "Green" building by establishing a common standard of measurement
- · Promote integrated, whole-building design practices
- Recognize environmental leadership in the building industry

CaGBC and USGBC Certify Buildings for LEED[®]

There are 4 Award Levels:

- CERTIFIED Level 40-49 points
- SILVER Level 50-59 points
- GOLD Level 60-79 points
- PLATINUM Level
 80+ points

■ The CaGBC, through a licensing agreement with the U.S. Green Building Council (USGBC), implements the LEED[®] Green Building Rating System in Canada.

- Stimulate green competition
- Raise consumer awareness
- Transform the marketplace

Benefits of LEED® Certification

- Third party validation of achievement
- Qualify for growing array of state and local government incentives
- Contribute to growing knowledge base
- LEED[®] certification plaque to mount on building
- Official certificate
- Receive marketing exposure through USGBC or CaGBC Websites, case studies, media announcements

LEED® CATEGORIES AND ARCHITECTURAL FLUSH WOOD DOORS

There are seven main areas (categories) of project design and construction.

- Sustainable Sites
- Water Efficiency
- Energy
- Innovation and Design
- Materials & Resources (1)
- Indoor Environmental Quality (1)
- Regional Priority (1)

⁽¹⁾ This category apply to Architectural Flush Wood doors.

Please contact our office for more information: Can 1 800 463-3124 / U.S.A. 1 800 363-2248

Lambton Doors products can contribute to the calculation of points for projects pursuing LEED® certification								
MATERIALS AND RESOURCES				INDOOR ENV		QUALITY		
	Recycled Content Materials (MRc4.1, 4.2)	Regional Materials (MRc5)	Rapidly Renewable Materials (MRc6)	Certified Wood (MRc7)	Low-Emitting Materials Composite Wood, Agrifiber and Laminate Adhesives (EQc4.4)	Low-Emitting Materials Adhesives and Sealants (EQc4.1)	Low- Emitting Materials Paints and Coatings (EQc4.2)	
				FBC* C001965				
5-FD45/60/90 EME/ECE/EBE Fire Door Mineral Core	YES Pre-Consumer Content 13% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	NO	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L			
5-FSLSL-45 EME/ECE/EBE Fire Door Structural Composite Lumber	YES Pre-Consumer Content 13% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	YES 70% by volume	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L			
5-FSPC EME/ECE/EBE Particleboard	YES EPP Certified Core Total Pre-Consumer Content 83% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	YES 70% by volume	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L			
5-FS8300 EME/ECE/EBE Particleboard	YES EPP Certified Core Total Pre-Consumer Content 73% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	YES 70% by volume	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L			
5-FSLSL EME/ECE/EBE Structural Composite Lumber	YES Pre-Consumer Content 13% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	YES 70% by volume	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L		
5-FSLC EME/ECE/EBE Stave Lumber	YES Pre-Consumer Content 13% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	YES 70% by volume	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L			
5-AG45 EME/ECE/EBE Fire Door Agrifiber Core	YES Pre-Consumer Content 70% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	YES 62% by weight/vol.	YES 74% by volume, in option	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L		Urea formaldehyde Free /	YES UV Cured Factory Finish System No VOC
5-AG EME/ECE/EBE Agrifiber Core	YES Pre-Consumer Content 82% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	YES 75% by weight/vol.	YES 81% by volume, in option	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L			
5-AG8300 EME/ECE/EBE Agrifiber Core	YES Pre-Consumer Content 67% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	YES 59% by weight/vol.	YES 88% by volume, in option	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L			
5-FD45/60/90 ME/CE/BE Fire Door Mineral Core	YES Pre-Consumer Content 13% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	NO	NO			
5/7-PC ME/CE/BE Particleboard	YES EPP Certified Core Total Pre-Consumer Content 83% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	NO	NO	Use our LEEL CALCULATO	®	
5/7-8300 ME/CE/BE Particleboard	YES EPP Certified Core Total Pre-Consumer Content 73% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	NO		CALCULATO CALCULATO CHITECT SP/ OUR Web site		
5/7-AG45 ME/CE/BE Fire Door Agrifiber Core	YES Pre-Consumer Content 70% by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	YES 60% by weight/vol.	NO	NO	site		
STC ACOUSTICAL SERIES	YES Variable percentage of Pre-Consumer Content by weight/vol.	Lambton (Quebec) G0M 1H0 to jobsite	NO	YES Variable percentage by volume, in option	YES Urea formaldehyde Free / NAUF VOC < 0.683 g/L			

The mission of Lambton Doors is to develop, manufacture and sell high quality and value added interior wood doors and frames, of standard and ecological types, for the commercial, architectural and institutional markets.

These doors and frames meet the various North American building codes, as well as environmental codes when applicable, while respecting the customers' requirements.





COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

Customer Service

Telephone 418 486.7401 1 800 463.3124 (CAN) 1 800 363.2248 (USA)

Fax

418 486.7381 1 800 561.7443 (CAN/USA)

Web

www.lambtondoors.com info@lambtondoors.com

Architects and Designers You can also directly reach us at architect.designer@lambtondoors.com

Mail

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada





We believe in a transformed built environment contributing to a sustainable future.



The mark of responsible forestry

We believe in Good Forestry Stewardship Practices.

Active member of the planetary ecological movement



The FSC[®] logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council™ A.C.



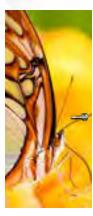
UNIQUE LOOK. DISTINCTIVE PROJECTS.

TaTToo DOOR SERIES

The TaTToo Series by LAMBTON DOORS gives every door, series of doors or design project a totally unique and distinctive look that will amaze and create a lasting and eye-catching impression.

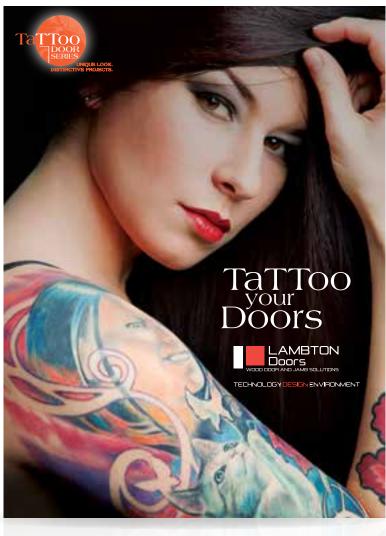
Just like choosing a tattoo that is unique to you, any door, series of doors or project can be "tattooed" with a distinctive signature, using fullsize images for maximum visual impact.

The process is simple. The image is first transferred onto a high pressure decorative laminate (HPDL) sheet. The sheet is then applied to the frame of the door in our factory. The TaTToo Series comes in the same range of high quality doors from LAMBTON DOORS, with the added touch of a unique and highly distinctive design element.









Tamoc

THE CREATIVE POSSIBILITIES ARE ENDLESS.

NIOUE LOOK

LET YOUR IMAGINATION RUN FREE WITH THE TATTOO DOOR SERIES.



THEME: Various. PROJECT: Single Doors. Sports • Wild Side • Music • Wine Industry • Medical



THEME: Various. Natural Phenomenon • Aviation Industry • Hotel Room • Tourist Attraction • Laboratory PROJECT: Single Doors.



A TOTALLY UNIQUE AND DISTINCTIVE LOOK THAT WILL AMAZE AND CREATE A LASTING AND EYE-CATCHING IMPRESSION.

Create an image and personalize it with a hotel door number, room name, company logo or other identifier. Here are some examples.





THEME: Butterflies. PROJECT: Multiple Doors in the same space. One image per door.











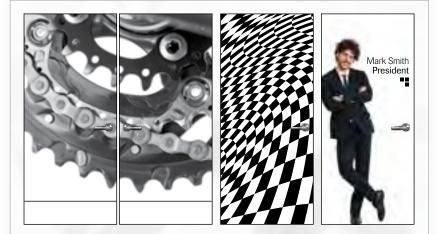
THEME: Cityscapes. PROJECT: Doors in Sequence close together. One unique image.



THEME: Corporate. PROJECT: Cie Logo.

TaTToo ^{your} Doors





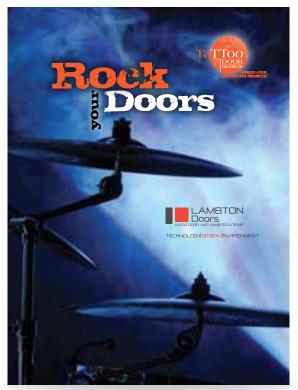
CHOOSING IMAGES FOR THE TATTOO DOOR SERIES.

- <u>Start with a theme.</u> It can be sports, nature, wide open spaces, cityscapes, vineyards, animals, butterflies, a manufacturing or service industry, company employees or other theme. The creative possibilities are endless.
- <u>Supply the images by theme.</u> These can come from a variety of sources: Lambton Doors image bank, personal photo bank, photos taken by a professional photographer, photos or images purchased from online image banks or montages created in a computer graphics studio. If you like, you can add a company logo, a room name, a door number, a person's name, a quote or other identifier.
- <u>Image quality.</u> The ideal resolution for images is 200 dpi (dots per inch). Anything below 100 dpi will have a pixelated or blurred look. Customers can supply their own images. We also offer image search and graphic design services, if desired. Technical specifications are available on request from our Customer Service Department.

Contact our Customer Service Department for additional information.



UNIQUE LOOK. DISTINCTIVE PROJECTS.



THE CREATIVE POSSIBILITIES ARE ENDLESS.



TECHNOLOGY DESIGN ENVIRONMENT

LD V03 - 07/2016

Customer Service

Telephone: 418 486.7401 • 1 800 463.3124 (CAN) • 1 800 363.2248 (USA) Fax: 418 486.7381 • 1 800 561.7443 235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com • info@lambtondoors.com

Architects and Designers You can also directly reach us at architect.designer@lambtondoors.com

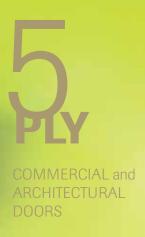


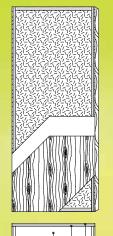
COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

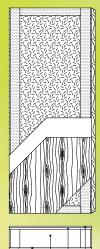


LD-V07 02/2013



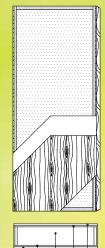


5-PC-CE 5-PC-ME



1 2 3 ·8300-CE

5-8300-CE 5-8300-ME



5-LSL-CE 5-LSL-ME

Туре	Particleboard core (interior use).	Particleboard core (interior use).	Laminated strand lumber core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S. 1-A-2004 ASTM D5456-09 ANSI A208.1	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S. 1-A-2004 ASTM D5456-09 ANSI A208.1	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S. 1-A-2004 ASTM D5456-09
Thickness	1-3/8" (35 mm) – 1-3/4" (44 mm). 2" (51 mm) – 2-1/4" (57 mm).	1-3/4" (44 mm).	1-3/8" (35 mm) – 1-3/4" (44 mm). 2" (51 mm) – 2-1/4" (57 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).	48" x 120" (1 219 mm x 3048 mm).	48" x 120" (1 219 mm x 3 048 mm).
Stiles	 CE: 7/16" (11 mm) wood (mill option) laminated to 1" (25 mm) structural composite lumber (SCL). ME: 7/16" (11 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL). 	 CE: 7/16" (11 mm) wood (mill option) laminated to 4" (102 mm) structural composite lumber (SCL). ME: 7/16" (11 mm) hardwood laminated to 4" (102 mm) structural composite lumber (SCL). 	 CE: 7/16" (11 mm) wood (mill option) laminated to 1" (25 mm) structural composite lumber (SCL). ME: 7/16" (11 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL).
Rails	1-7/16" (36 mm) structural composite lumber (SCL).	3" (76 mm) structural composite lumber (SCL).	1-7/16" (36 mm) structural composite lumber (SCL).
Core	Particleboard core with a density of 28-32 PCF (449-513 kg/m ³) LD-1, bonded to the stiles and rails.	Particleboard core with a density of 28-32 PCF (449-513 kg/m ³) LD-1, bonded to the stiles and rails.	Structural composite lumber (SCL) with a density of 38 PCF (609 kg/m ³) bonded to the stiles.
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC < 0.683 g/L.	Type I (waterproof); PVA (no urea formaldehyde); VOC < 0.683 g/L.	Type I (waterproof); PVA (no urea formaldehyde); VOC < 0.683 g/L.
Face	Wood veneer or MDO bonded to a composite crossband.	Wood veneer or MDO bonded to a composite crossband.	Wood veneer or MDO bonded to a composite crossband.
Options	 LD-2 core. [Door 1-34" – (44 mm)] 20 minute rating neutral or positive pressure. Refer to <i>Technical space</i> of our Website for details. 15/16" (24 mm) wood (mill option) or hardwood laminated to 1" (25 mm) structural composite lumber (SCL). Bifold. 	 LD-2 core. 20 minute rating neutral or positive pressure. Refer to <i>Technical space</i> of our Website for details. 15/16" (24 mm) wood (mill option) or hardwood laminated to 4" (102 mm) structural composite lumber (SCL). 	 [Door 1-3/4" – (44 mm)] 20 minute rating neutral or positive pressure. Refer to <i>Technical space</i> of our Website for details. 15/16" (24 mm) wood (mill option) or hardwood laminated to 1" (25 mm) structural composite lumber (SCL).
Lite and louver openings	 Wood louvers not permitted in 20 minute labeled doors. Cut-out must not exceed 40% of door area. Minimum 5" (127 mm) from stiles or rails. Minimum 1-1/2" (38 mm) from cut-out to cut-out. Refer to <i>Technical space</i> of our Website for details. 	Wood louvers not permitted in 20 minute labeled doors. Minimum 5" (127 mm) from stiles or rails. Minimum 1-1/2" (38 mm) from cut-out to cut-out. Refer to <i>Technical space</i> of our Website for details.	Wood louvers not permitted in 20 minute labeled doors. Minimum 5" (127 mm) from stiles or rails. Minimum 1-1/2" (38 mm) from cut-out to cut-out. Refer to <i>Technical space</i> of our Website for details.
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Warranty	Life of original installation. See our complete warranty for details.	Life of original installation. See our complete warranty for details.	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC.	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC.	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC.
Environmental description	Recycled content (LEED MRc4.1, 4.2).	Recycled content (LEED MRc4.1, 4.2).	Recycled content (LEED MRc4.1, 4.2).
	(tareen	(İgreen	(İgreen

Available in our 5-PC-BE series

Available in our 5-8300-BE series

Available in our 5-LSL-BE series



More information on LEED[®] credits per door series are available in both of our LEED[®] and ENVIRO DESIGN brochures. Refer to *Technical space* of our Website or ask for printed documents.

For structural composite lumber (SCL), Lambton Doors uses laminated strand lumber (LSL) with a density of 38 PCF (609 kg/m³).



5-FD60/90-CE 5-FD60/90-ME

5-AG45-CE 5-AG45-ME

5-FD45-CE 5-FD45-ME

Mineral core (interior use). ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S. 1-A-2004 Mineral core (interior use). ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S. 1-A-2004 Agrifiber core (interior use). ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S. 1-A-2004

1-3/4" (44 mm).	1-3/4" (44 mm).	1-3/4" (44 mm).
48" x 120" (1 219 mm x 3048 mm).	48" x 120" (1 219 mm x 3048 mm).	48" x 96" (1 219 mm x 2 438 mm).
CE: 7/16" (11 mm) wood (mill option) laminated to 1" (25 mm) proprietary material (FPCM*). ME: 7/16" (11 mm) hardwood laminated to 1" (25 mm) proprietary material (FPCM*).	 CE: 7/16" (11 mm) wood (mill option) laminated to 1" (25 mm) proprietary material (FPCM*). ME: 7/16" (11 mm) hardwood laminated to 1" (25 mm) proprietary material (FPCM*). 	 CE: 7/16" (11 mm) wood (mill option) laminated to proprietary material (FPCM"). ME: 7/16" (11 mm) hardwood laminated to proprietary material (FPCM"). Lock stile: 5" (27 mm) proprietary material (FPCM"). Hinges stile: 2" (51 mm) proprietary material (FPCM").
2" (51 mm) proprietary material (FPCM*).	Top: 1-1/2" (38 mm) proprietary material (FPCM*). Bottom: 1-1/2" (38 mm) proprietary material (FPCM*).	2" (51 mm) proprietary material (FPCM*).
Non-combustible mineral core.	Non-combustible mineral core.	Low combustion proprietary agrifiber core.
Type I (waterproof); PVA (no urea formaldehyde); VOC < 0.683 g/L.	Type I (waterproof); PVA (no urea formaldehyde); VOC < 0.683 g/L.	Type I (waterproof); PVA (no urea formaldehyde); VOC < 0.683 g/L.
Wood veneer or MDO bonded to a composite crossband.	Wood veneer or MDO bonded to a composite crossband.	Wood veneer or MDO bonded to a composite crossbar
 Neutral or positive pressure. Blocking for hardware. Refer to <i>Technical space</i> of our Website for details. 	 Neutral or positive pressure. Blocking for hardware. Refer to <i>Technical space</i> of our Website for details. 	 Neutral or positive pressure. Blocking for hardware. Refer to <i>Technical space</i> of our Website for details.
Cut-out for lite and louver with size limitations. Refer to <i>Technical space</i> of our Website for details.	Cut-out for lite and louver with size limitations. Refer to <i>Technical space</i> of our Website for details.	Cut-out for lite and louver with size limitations. Refer to <i>Technical space</i> of our Website for details.
Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Life of original installation. See our complete warranty for details.	Life of original installation. See our complete warranty for details.	Life of original installation. See our complete warranty for details.
UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC.	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC.	UV Finishing System. Stain, clearcoat, opaque and pri finish available. Custom color matching available. Seal top and bottom standard. No VOC.
		Recycled content (LEED MRc4.1, 4.2). Rapidly renewable material (LEED MRc6).

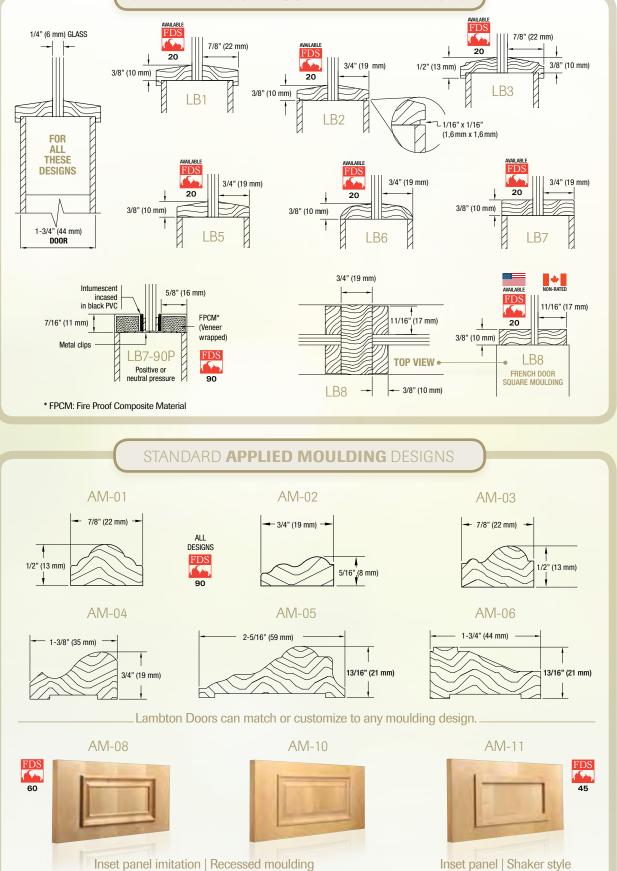
(İgreen

Available in our 5-FD45-BE series

Available in our 5-FD60/90-BE series

Available in our 5-AG45-BE series

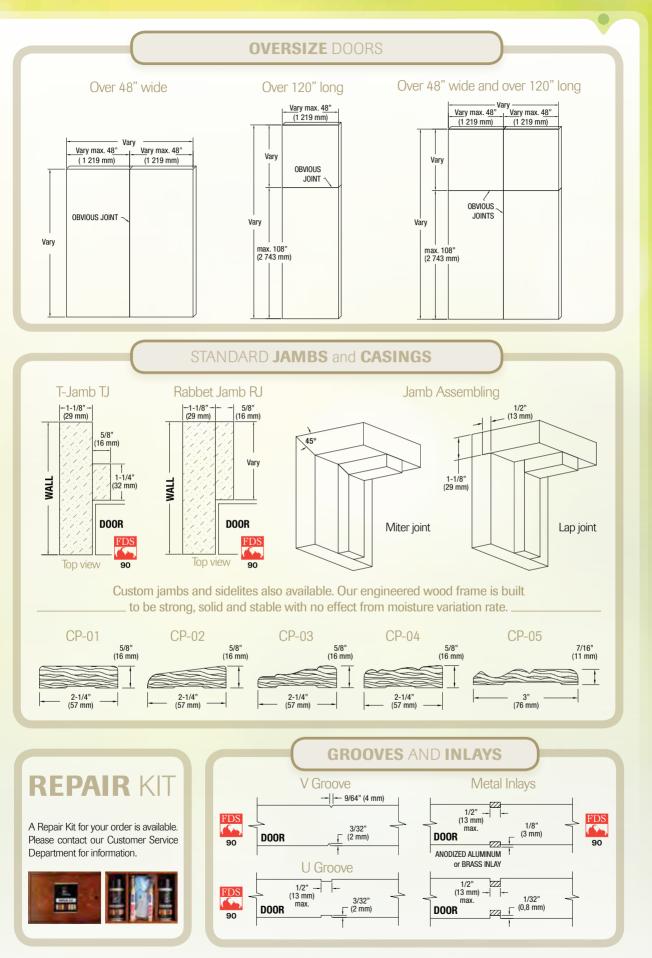




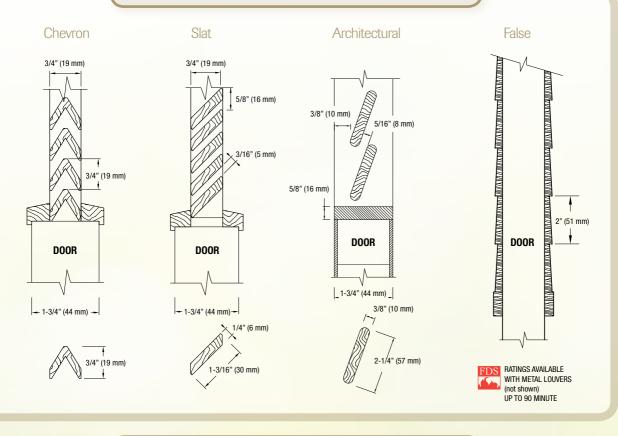


FDS: Fire Door System + Rating

20 = 20 minute (Positive pressure) / 90 = 90 minute (Positive pressure) / NP = Neutral pressure



LOUVER MODELS



LEAD LINED DOORS

RECOMMENDED THICKNESSES of LEAD SHIELDING for X-RAY ROOMS

INDUSTRY RECOMMENDATIONS			LAMBTON DOORS RECOMMENDATIONS	
X-Rays generated by peak voltages not exceeding	Minir thick mm		Corresponding weight of lead Ibs/sq. ft.	Lead thickness
75 kV	1,0	0.039	2-1/2	Two sheets of 1/32"
100 kV	1,5	0.059	4	(0.0625 in total)
125 kV	2,0	0.079	5	
150 kV	2,5	0.098	7	Two sheets of 1/16" (0.125 in total)
175 kV	3,0	0.118	8	(
200 kV	4,0	0.157	10	Two sheets of 1/8"
225 KV	5,0	0.197	13	(0.25 in total)

LEAD LINED DOOR DETAILS

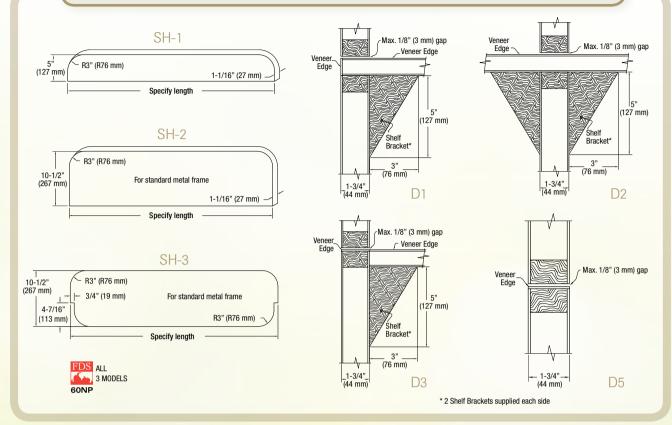
LEAD THICKNESSES	1/32" - 1/16" - 1/8"
AVAILABLE	Two sheets maximum
FIRE RATING	20 minute,
AVAILABLE	neutral pressure only
LITE OPENING Non Fire-Rated	- Maximum 1,628 m ² (2524 sq. in.) - Wood beads or metal lite kit model #115-L2
LITE OPENING Fire-Rated	- Maximum 1,628 m² (2524 sq. in.) - Metal lite kit only model # 115-L1

Available with LSL core only.

Lambton Doors recommends the use of heavy duty hinges.

Maximum lead supply by Lambton Doors is two sheets of thickness 1/8" (16 lbs/sq. ft.) per door. For other options, please refer to our Website.

DUTCH DOOR STANDARD SHELF MODELS WITH MACHINING



ACOUSTICAL (STC) DOORS

STC RATING	DOOR THICKNESS	MAXIMUM FIRE RATING	GLAZING TYPE	GASKET SYSTEM
27	1-3/4 in (44 mm)	20 min. P.P.		
31	1-3/4 in (44 mm)	20 mm. P.P.	Yes	
32	1-3/4 in (44 mm)	90 min. P.P.	STC rating will be affect	
35	1-3/4 in (44 mm)	20 min. N.P.		Pemko products: Double row S88 SiliconSeal [™] gasket,
35	1-3/4 in (44 mm)	90 min. P.P.		434ARL drop seal and 2005T threshold
37	1-3/4 in (44 mm)		1/4" (6 mm) Tempered Glass	
43	1-3/4 in (44 mm)		3/4" (19 mm) Sound Tempered Thermo Glass	
44	1-3/4 in (44 mm)	Non Fire-Rated		
45	1-3/4 in (44 mm)		NA	Zero International: Spring #119W, Weatherstrip #475 and rabetted threshold #564
50	2-1/4 in (57 mm)			Pemko products: Double row S88 SiliconSeal [™] gasket, Weatherstrip 312R, 434ARL drop seal and 2005T threshold

All acoustical doors are available UF FREE and/or certified FSC.



The mission of Lambton Doors is to develop, manufacture and sell high quality and value added interior wood doors and frames, of standard and ecological types, for the commercial, architectural and institutional markets.

These doors and frames meet the various North American building codes, as well as environmental codes when applicable, while respecting the customers' requirements.



WDMA



OPENINGS TO THE WORLD

Customer Service

Telephone 418 486.7401 1 800 463.3124 (CAN) 1 800 363.2248 (USA)

Fax

418 486.7381 1 800 561.7443 (CAN/USA)

Web

www.lambtondoors.com info@lambtondoors.com

Architects and Designers You can also reach us directly at architect.designer@lambtondoors.com

Mail

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada



Active member of the planetary ecological movement





We believe in a transformed built environment contributing to a sustainable future.

he FSC® logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council® A.C.



The mark of responsible forestry

We believe in Good Forestry Stewardship Practices.



LAMBTON DOORS: VISION, MISSION AND VALUES

OUR VISION

To be recognized as a premium employer at home and as a choice partner for industry clients and suppliers in North America. To be recognized in the industry for our innovative product offering, which develops ahead of and along with current market trends.

OUR MISSION

At LAMBTON DOORS, our mission is to develop and manufacture high-quality, value-added interior wood doors and frames for our North American commercial, architectural and institutional clients.

To meet our clients' needs and respond to new market opportunities, we focus on the quality of our human resources, use state-of-the-art technologies and offer harmoniously designed, environmentally friendly products.

OUR VALUES

The organizational values espoused by Lambton Doors form the basis for a code of conduct aimed at applying the company's vision and mission.

Respect

Emphasize a work environment that is stimulating and respectful of clients, distributors, agents, suppliers and co-workers in order to positively and effectively promote the progress of every file, both internally and externally.

Fairness

Take responsibility for all of our actions and decisions in a way that is fair, transparent, impartial and in the best interest of all those involved in the file.

Initiative

Display openness and initiative in our work and actively participate in improvement processes to enable the organization to demonstrate a clear superiority over its competitors in the market.

Adaptability

Respond appropriately to unforeseen events and quickly adapt to new realities and market conditions. Display flexibility with regard to proposed solutions, deadlines and timeframes while staying within client budgets.

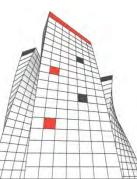
Foresight

Be attentive and far-sighted when it comes to real market needs and trends, whether they are current, emerging, or precursory to the development of solutions or any new product offer.

TECHNOLOGY DESIGN ENVIRONMENT

LD V02 YT 02/2017







COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

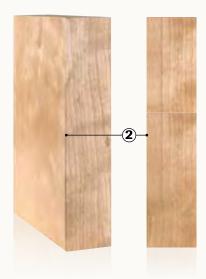
Blind Edges (BE)



- **High impact resistance**. The 6.35 mm (1/4") thickness of the wood ① offers a **high degree of protection**. Door corners are **very easy to repair** after an impact.
- **Completely invisible crossband** ⁽²⁾ gives the door a very esthetic flawless appearance.
- No risk of delamination since no veneer is applied to the edge.
- Ideal for Extra Heavy Duty Use situations.
- The final factory cut leaves 6.35 mm (1/4") of high density wood 1, which allows enough give to adjust the door width on site.

WHY SPECIFY DOORS WITH

BLIND EDGES (BE) OR MATCHING EDGES (ME)?



Matching Edges (ME)



- No risk of delamination since no veneer is applied to the edge.
- Ideal for Extra Heavy Duty Use situations.
- The final factory cut leaves 6.35 mm (1/4") of high density wood 1, which allows enough give to adjust the door width on site.



WHY NOT SPECIFY DOORS WITH veneer edges (ve)?

Veneer Edges (VE)



- Low impact resistance. Door corners are extremely fragile and cannot be repaired ①.
- The 0.6 mm (1/42") thick veneer 2 allows no give to adjust the door width on site.
- Very high risk of delamination ③ since the veneer is applied with a hot melt adhesive.
- Cheaply made edges compared to a door with blind edges.





LAMBTON DOORS WITH TYPE D EDGES: BLIND EDGES (BE) MADE OF HARDWOOD.

For architectural projects where architects require the best in design, elegance and durability, specify doors with blind edges (BE) **made of hardwood**. Doors with hardwood BE are the recommended choice for high-traffic areas subject to "Extra Heavy Duty Use," such as in healthcare institutions, educational institutions, hotels and auditoriums.

The process used to manufacture high density hardwood edges produces a very elegant and eye-pleasing finish while **significantly increasing the door's resistance and strength**. This makes blind edges (BE) an excellent alternative to most edge guards on the market.



Customer Service

Telephone: 418 486.7401 • 1 800 463.3124 (CAN) • 1 800 363.2248 (USA) Fax: 418 486.7381 • 1 800 561.7443 (CAN/USA) 235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com • info@lambtondoors.com

Architects and Designers You can also directly reach us at architect.designer@lambtondoors.com

DOORS Commercial and architectural



COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

Wood Jamb Series

LD-V03 11/2013

Limited Warranty for wood jambs

- LAMBTON DOORS warrants for the lifetime all jambs sold under this warranty except those expressly excluded from this warranty. This coverage is in effect from the date of shipment and applicable on initial installation only, and is for the sole benefit of the original purchaser to be of good material and workmanship and to be free of defects which would render said jambs unserviceable or unfit for their ordinary recommended use.
- 2. THIS WARRANTY APPLIES TO ORIGINAL PURCHASERS OF THE DESCRIBED JAMBS. IT MAY ALSO EXTEND TO RESALE/ SUPPLY OF THE PRODUCT TO THE END-USER/OWNER AT THE POINT OF ORIGINAL INSTALLATION. IF REQUIRED, CLAIMS MUST BE PROCESSED SOLELY THROUGH THE INITIAL SUP-PLIER. ANY IMPLIED WARRANTIES WHICH THE PURCHASER MAY HAVE ARE LIMITED TO THE TERMS, DURATION AND CONDITIONS OF THIS WARRANTY. THIS WARRANTY IS EFFECTIVE FROM THE DATE OF SHIPMENT OR SUBSTANTIAL COMPLETION AS REQUIRED.
- **3.** LAMBTON DOORS will, at its option, either (1) repair any product without charge or (2) replace any product without charge in whatever stage of fitting or finishing as it was originally supplied, or (3) refund the price received by LAMBTON DOORS for any product. IF A JAMB IS FOUND DEFECTIVE, WRITTEN NOTICE OF ANY CLAIM UNDER THIS WARRANTY MUST BE GIVEN TO LAMBTON DOORS IMMEDIATELY, INCLUDING DIGITAL PIC-TURES. In the case of a defect reasonably discoverable by inspection of each product upon receipt of shipment, notice must be given to LAMBTON DOORS within thirty (30) days thereafter shipping and before the product is installed or treated in any matter.

- **4.** LAMBTON DOORS shall not be liable for jambs repaired or replaced without its prior written consent.
- **5.** LAMBTON DOORS is not obligated to pay for removal and re-hanging if the defect for which the jamb is being rejected was apparent prior to installation.
- **6.** In any of the above cases, LAMBTON DOORS will not accept any "back charge" due to re-hanging or re-finishing.
- **7.** Action on any claim for warp or telegraphing may be deferred, at the option of the manufacturer, for a period not to exceed twelve (12) months from the date of claim. If a jamb has been installed prior to such claim being made, the jamb must remain hung in the original installation, during the period of deferment, to permit conditioning to humidity and temperature.
- **8.** LAMBTON DOORS cannot be responsible for any casing or millwork attached to such jambs (supplied by others).
- **9.** Warranty will be honoured only if the jambs have been installed in accordance to the Installation instructions supplied.

V02 09/2013

This document is also available on our Website www.lambtondoors.com at **Architect Space** under Lifetime warranty.

Consult and download our technical sheets.

Consult and download all of our literature and technical sheets from the **Technical Space** of our Website.

www.lambtondoors.com





APPLICABLE SPECIFICATIONS to all of our Wood Jamb Series

Assembly

Dado's pre-drilled and countersunk for #8 wood screw. Screws supplied by others.

Rabbet assembly. Miter assembly (45°) also available.

Shipping

Knock down.

Wrapping

Bundle wrapped.

Notes

Dimensions on drawing are finished sizes. Refer to *Technical Space* of our Website for Installation instructions. UF Free. Available FSC Certified.

Warranty

Life of original installation. See our complete warranty for details.

Factory finish

UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. No VOC.

Environmental description

Low Emitting Materials (LEED[®] EQc4.1, EQc4.2, EQc4.4). FSC Certified wood, available on request (LEED[®] MRc7).

Suggested rough opening dimensions

For single or pair doors After finished floor: Width: Interior opening of the frame + 2-3/4" (70 mm) Height: Interior opening of the frame + 1-3/8" (35 mm)

Ex.: For a 36" x 84" interior opening (914 mm x 2 134 mm), rough opening should be: width: 36" + 2-3/4" = 38-3/4" (984 mm) height: 84" + 1-3/8" = 85-3/8" (2 169 mm).

Opening dimensions for the following jambs:

CFJ-60: Width 3-3/4" (95 mm) and height 1-7/8" (48 mm) 36" x 84" interior opening: width 39-3/4" (1 010 mm) and height 85-7/8" (2 181 mm)

CFRJ-60: Width 3-3/4" (95 mm) and height 1-7/8" (48 mm) 36" x 84" interior opening: width 39-3/4" (1 010 mm) and height 85-7/8" (2 181 mm)

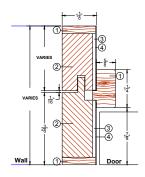
CFJ-00: Width 3-1/2" (89 mm) and height 1-3/4" (44 mm) 36" x 84" interior opening: width 39-1/2" (1 003 mm) and height 85-3/4" (2 178 mm)

SJC-00: Width 2-1/4" (57 mm) and height 1-1/8" (29 mm) 36" x 84" interior opening: width 38-1/4" (972 mm) and height 85-1/8" (2 162 mm)

Split Jamb

SJ-00

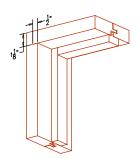
Non-rated



1- Wood

2- Structural Composite Lumber (SCL)

3- Crossband4- Veneer



Specifications

Wall thickness Minimum 3-5/8" (92 mm) + 1/4" (6 mm) adjustment

Wood casing Standard profiles available.

Conforms to N/A

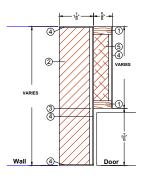
Maximum opening

Single: 48" x 120" (1 219 mm x 3 048 mm) Pair: 96" x 120" (2 438 mm x 3 048 mm)

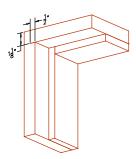
Rabbet Jamb

RJ-00

Non-rated



- 1- Wood
- 2- Structural Composite Lumber (SCL)
- 3- Crossband
- 4- Veneer5- Medium Density Fiberboard (MDF)



Specifications

Wall thickness Minimum 3-5/8" (92 mm)

Wood casing Standard profiles available.

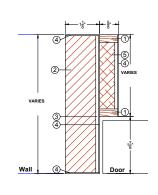
Conforms to N/A

Maximum opening

Single: 48" x 120" (1 219 mm x 3 048 mm) Pair: 96" x 120" (2 438 mm x 3 048 mm)

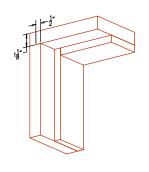
RJ-20

20 minute



1- Wood

- 2- Structural Composite Lumber (SCL)
- 3- Crossband
- 4- Veneer5- Medium Density Fiberboard (MDF)



Specifications

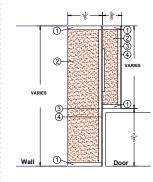
Wall thickness Minimum 3-3/4" (95 mm) Rated wall as per code requirements

Wood casing Standard profiles available. Minimum 5/16" x 1-5/8" (8 mm x 41 mm)

Conforms to Conforms with Positive and Neutral Pressure firedoors.

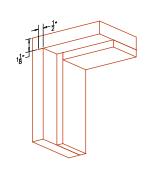
Maximum opening Single: 48" x 108" (1 219 mm x 2 743 mm) Pair: 96" x 108" (2 438 mm x 2 743 mm)





1- Wood

- 2- Fire Proof Composite Material (FPCM)
- 3- Crossband4- Veneer



Specifications

Wall thickness Minimum 5" (127 mm) Rated wall as per code requirements

Wood casing Standard profiles available. Minimum 5/16" x 1-5/8" (8 mm x 41 mm)

Conforms to Conforms with Category A and B Positive and Neutral Pressure firedoors.

 Maximum opening

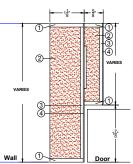
 Single: 48" x 108"

 (1 219 mm x 2 743 mm)

 Pair:
 96" x 108"

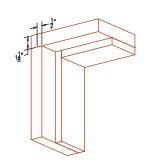
 (2 438 mm x 2 743 mm)





1- Wood

- 2- Fire Proof Composite Material (FPCM) 3- Crossband
- 4- Veneer



Specifications

Wall thickness Minimum 5" (127 mm) Rated wall as per code requirements

Wood casing Standard profiles available. Minimum 5/16" x 1-5/8"

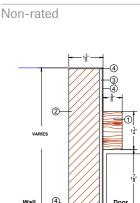
(8 mm x 41 mm)
Conforms to

Conforms with Category A and B Positive and Neutral Pressure firedoors.

Maximum opening

Single:	48" x 96"
	(1 219 mm x 2 438 mm)
Pair:	96" x 96"
	(2 438 mm x 2 438 mm)

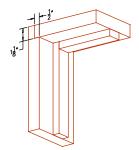
"T" Jamb



1- Wood

TJ-00

- 2- Structural Composite Lumber (SCL)
- 3- Crossband
- 4- Veneer



Specifications

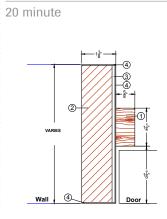
Wall thickness Minimum 3-5/8" (92 mm)

Wood casing Standard profiles available.

Conforms to N/A

Maximum opening

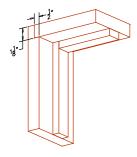
Single: 48" x 120" (1 219 mm x 3 048 mm) Pair: 96" x 120" (2 438 mm x 3 048 mm)



1- Wood

- 2- Structural Composite Lumber (SCL) 3- Crossband
- 4- Veneer

TJ-20



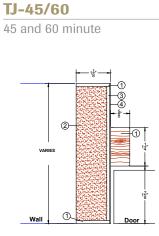
Specifications

Wall thickness Minimum 3-3/4" (95 mm) Rated wall as per code requirements

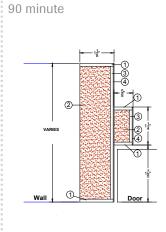
Wood casing Standard profiles available. Minimum 5/16" x 1-5/8" (8 mm x 41 mm)

Conforms to Conforms with Positive and Neutral Pressure firedoors.

Maximum opening Single: 48" x 108" (1 219 mm x 2 743 mm) Paire: 96" x 108" (2 438 mm x 2 743 mm)



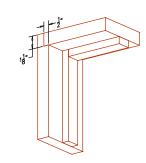
2- Fire Proof Composite Material (FPCM)



- 1- Wood
- 2- Fire Proof Composite Material (FPCM)
- 3- Crossband



TJ-90



Specifications

Wall thickness Minimum 5" (127 mm) Rated wall as per code requirements

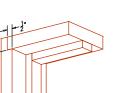
Wood casing Standard profiles available. Minimum 5/16" x 1-5/8" (8mm x 41mm)

Conforms to Conforms with Category A and B Positive and Neutral Pressure

Maximum opening

firedoors.

Single: 48" x 96" (1 219 mm x 2 438 mm) Pair: 96" x 96" (2 438 mm x 2 438 mm)



1- Wood

4- Veneer

3- Crossband

Specifications

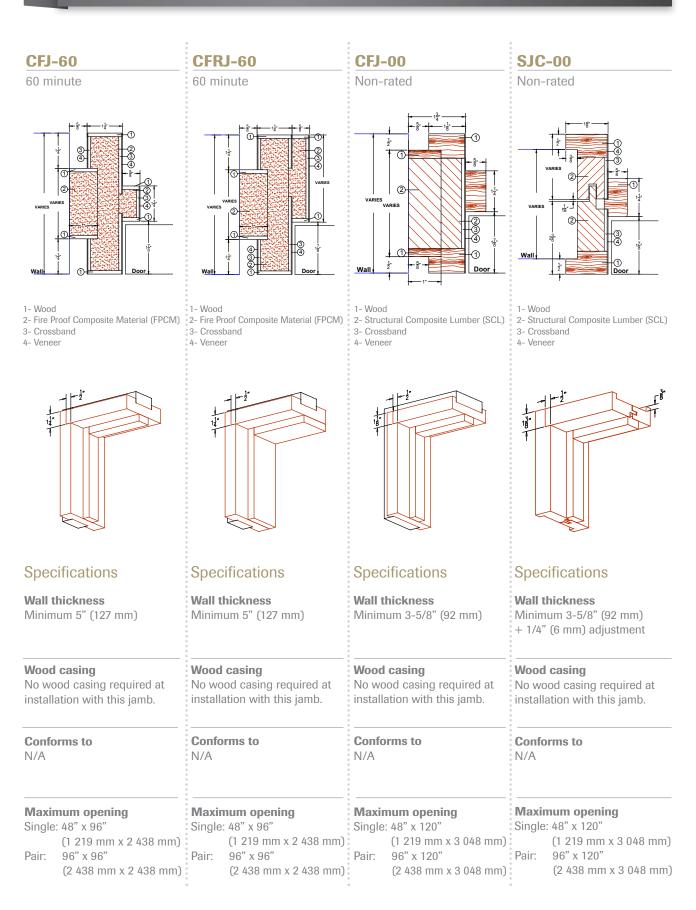
Wall thickness Minimum 5" (127 mm) Rated wall as per code requirements

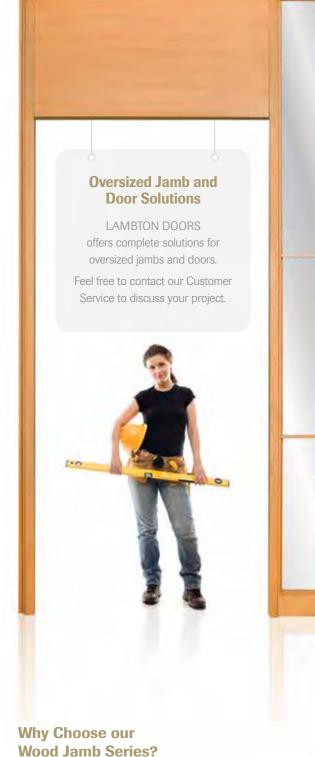
Wood casing Standard profiles available. Minimum 5/16" x 1-5/8" (8 mm x 41 mm)

Conforms to Conforms with Category A and B Positive and Neutral Pressure firedoors.

Maximum opening Single: 48" x 108" (1 219 mm x 2 743 mm) Pair: 96" x 108" (2 438 mm x 2 743 mm)

Casing Free Jamb





UF Free and available FSC Certified.

Superior strength and durability over solid wood.

Perfect veneer match between door and jamb.

Available in all veneer species and color finishes, we offer custom color development.

Available non-rated and rated, neutral and positive pressure up to 90 minute.

Complete machining available for easy hardware installation.

Complete Installation instructions supplied for quick and easy jobsite efficiency.

Sidelight Solutions

LAMBTON DOORS offers jamb and door solutions with sidelight up to 90 minute.

Please contact our Customer Service today for information.





Project Ideas for Jambs?

Any original idea or special design to develop?

Feel free to contact us and we'll do all that is necessary to complete your project.

The mission of Lambton Doors is to develop, manufacture and sell high quality and value added interior wood doors and frames, of standard and ecological types, for the commercial, architectural and institutional markets.

These doors and frames meet the various North American building codes, as well as environmental codes when applicable, while respecting the customers' requirements.

Construction Specifications Institute









COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

Customer Service

Telephone 418 486.7401 1 800 463.3124 (CAN) 1 800 363.2248 (USA)

Fax

418 486.7381 1 800 561.7443 (CAN/USA)

Web

www.lambtondoors.com info@lambtondoors.com

Architects and Designers You can also directly reach us at architect.designer@lambtondoors.com

Mail

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada





We believe in a transformed built environment contributing to a sustainable future.



The mark of responsible forestry

We believe in Good Forestry Stewardship Practices.

Active member of the planetary ecological movement



The FSC® logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council® A.C.



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com

COMMERCIAL AND ARCHITECTURAL DOORS

Fire Door System Mineral core door 45 minute

Standard Series

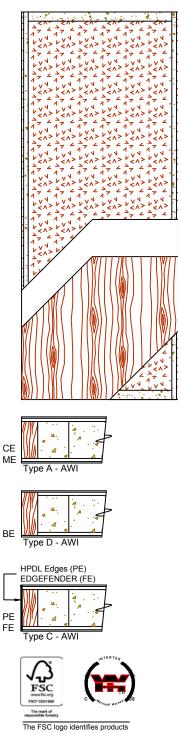
EnviroDesign[™] Series

5-FD45-CE/ME/BE 5-FD45-ECE/EME/EBE

SPECIFICATIONS	DESCRIPTIONS
Туре	Mineral core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 W.D.M.A. SERIES I.S.1-A-2013
Fire rating details	45 minutes neutral or positive pressure Refer to Fire-Rated Options of our Architectural Catalog (e-version) CAN/ULC-S104 NFPA 252 UL 10B neutral pressure UL 10C positive pressure category B UL 10C positive pressure category A in option
Thicknesses	1-3/4" (44 mm) to 2-1/4" (57 mm).
Maximum sizes	Positive pressure : 48" x 108" (1 219 mm x 2 743 mm). Neutral pressure : 48" x 120" (1 219 mm x 3 048 mm).
Stiles	CE (Compatible Edge): 7/16" (11 mm) wood (mill option). ME (Matching Edge): 7/16" (11 mm) hardwood. BE (Blind Edge): 7/16" (11 mm) hardwood. Laminated to 1" (25 mm) (FPCM)*. PE (Plastic Edge): HPDL edges. FE: Lambton Doors' EDGEFENDER: High impact resistant edges.
Rails	2" (51 mm) proprietary material (FPCM)*.
Core	Non-combustible mineral core bonded to the stiles and rails.
Adhesive	Type I (waterproof); PVA (UF-Free).
Face	Wood veneer, MDO or HPDL laminated to a HDF.
Options	Blocking for hardware.
Lite and louver openings	Cut-out for lite and louver with size limitations.
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Warranty	Life of original installation.
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
Environnemental	Recycled content. All Series. FSC Certified Wood. Specify FSC .
Benefits	Low Emitting Materials NAF. Specify NAF.

* FPCM: Fire Proof Composite Material

Printed in Canada 2017/06



The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com

COMMERCIAL AND ARCHITECTURAL DOORS

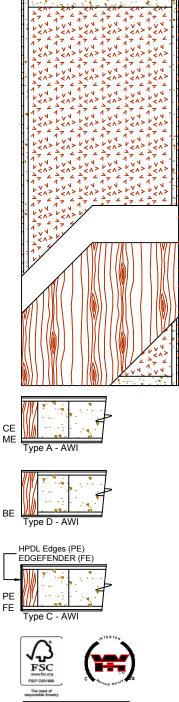
Fire Door System Mineral core door 60 and 90 minute

Standard Series EnviroDesign[™] Series 5-FD60/90-CE/ME/BE 5-FD60/90-ECE/EME/EBE

SPECIFICATIONS	DESCRIPTIONS
Туре	Mineral core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 W.D.M.A SERIES I.S.1-A-2013
Fire rating details	60/90 minutes neutral or positive pressure Refer to Fire-Rated Options of our Architectural Catalog (e-version) CAN/ULC-S104 NFPA 252 UL 10B neutral pressure UL 10C positive pressure category B UL 10C positive pressure category A in option
Thicknesses	1-3/4" (44 mm) to 2-1/4" (57 mm).
Maximum sizes	Positive pressure : 48" x 108" (1 219 mm x 2 743 mm). Neutral pressure : 48" x 120" (1 219 mm x 3 048 mm).
Stiles	CE (Compatible Edge): 7/16" (11 mm) wood (mill option). ME (Matching Edge): 7/16" (11 mm) hardwood. BE (Blind Edge): 7/16" (11 mm) hardwood. Laminated to 1" (25 mm) (FPCM)*. PE (Plastic Edge): HPDL edges. FE: Lambton Doors' EDGEFENDER: High impact resistant edges.
Rails	1-1/2" (38 mm) proprietary material (FPCM)*.
Core	Non-combustible mineral core bonded to the stiles and rails.
Adhesive	Type I (waterproof); PVA (UF-Free).
Face	Wood veneer, MDO or HPDL laminated to a HDF.
Options	Blocking for hardware.
Lite and louver openings	Cut-out for lite and louver with size limitations.
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Warranty	Life of original installation.
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
Environnemental Benefits	Recycled content. All Series. FSC Certified Wood. Specify FSC . Low Emitting Materials NAF . Specify NAF . HPD - Health Product Declaration available.
Door weight	Thickness 1-3/4" (44mm) = 5,8 lb/ft ² .
·	

* FPCM: Fire Proof Composite Material

Printed in Canada 2017/06



The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com

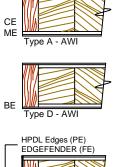
COMMERCIAL AND ARCHITECTURAL DOORS

Fire Door System Structural Composite Lumber Core Doors (SCL)

45 minute 5-SCL45-CE/ME/BE

Standard Series

EnviroDesign[™] Series 5-UFSCL45-ECE/EME/EBE 5-FSSCL45-ECE/EME/EBE







The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.

SPECIFICATIONS	DESCRIPTIONS
Туре	Structural Composite Lumber Core (SCL) (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA SERIES I.S.1-A-2013 ASTM D5456-09
Fire rating details	45 minutes neutral or positive pressure Refer to Fire-Rated Options of our Architectural Catalog (e-version) CAN/ULC-S104 NFPA 252 UL 10B neutral pressure UL 10C positive pressure category B UL 10C positive pressure category A in option
Thicknesses	1-3/4" (44 mm) to 2-1/4" (57 mm).
Maximum sizes	Single door : 48" x 96" (1 219 mm x 2 438 mm). Pair doors : 96" x 96" (2 438 mm x 2 438 mm). Specify 5-LSL45 .
Stiles	CE (Compatible Edge): 7/16" (11 mm) wood (mill option). ME (Matching Edge): 7/16" (11 mm) hardwood. BE (Blind Edge): 7/16" (11 mm) hardwood. Laminated to 1" (25 mm) Structural Composite Lumber (SCL). PE (Plastic Edge): HPDL edges. FE: Lambton Doors' EDGEFENDER: High impact resistant edges.
Rails	1-7/16" (36 mm) Structural Composite Lumber (SCL).
Core	Structural Composite Lumber (SCL) core with a density of 38 PCF (609 kg/m ³) bonded to the stiles and rails.
Adhesive	Type I (waterproof); PVA (UF-Free).
Face	Wood veneer, MDO or HPDL laminated to a HDF.
Lite and louver openings	Cut-out for lites and louvers available with size limitations. Cut-out for glass openings must not exceed 1080 sq. in. Minimum 5" (127 mm) from stiles, rails or from cut-out to cut-out.
Notes	Stile and rail dimensions shown are rough sizes, before trimming.
Warranty	Life of original installation.
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
Environnemental Benefits	Recycled content. All Series. FSC Certified Wood. Specify 5-FSSCL45 / 5-FSLSL45 . Low Emitting Materials, NAF. Specify 5-UFSCL45 / 5-UFLSL45 . EPD - Environmental Product Declaration available. HPD - Health Product Declaration available.
Door weight	Thickness 1-3/4" (44mm) = 6,1 lbs/ft ² .

Printed in Canada 2017/05



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com

CE ME

ΒE

PE FE Type A - AWI

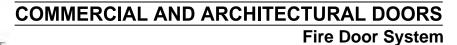
Type D - AWI HPDL Edges (PE) EDGEFENDER (FE)

Type C - AWI

FSC www.fsc.org

The mark of ponsible forestr

The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.



Standard Series

Agrifiber Core Doors (AG)

45 minute

5-AG45-CE/ME/BE

	EnviroDesign [™] Series 5-UFAG45-ECE/EME/EBE EnviroDesign 5-FSAG45-ECE/EME/EBE
SPECIFICATIONS	DESCRIPTIONS
Туре	Agrifiber core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA SERIES I.S.1-A-2013 ASTM D5456-09
Fire rating details	45 minutes neutral or positive pressure Refer to Fire-Rated Options of our Architectural Catalog (e-version) CAN/ULC-S104 NFPA 252 UL 10B neutral pressure UL 10C positive pressure category B UL 10C positive pressure category A in option
Thicknesses	1-3/4" (44 mm) to 2-1/4" (57 mm).
Maximum sizes	Single door : 48" x 120" (1 219 mm x 3 048 mm) Pair doors: 96" x 96" (2438 mm x 2438 mm) specify 5-AGP45 .
Stiles	CE (Compatible Edge): 7/16" (11 mm) wood (mill option). ME (Matching Edge): 7/16" (11 mm) hardwood. BE (Blind Edge): 7/16" (11 mm) hardwood. Laminated to 1" (25 mm) Structural Composite Lumber (SCL) up to 96" (2438 mm) or FPCM*. PE (Plastic Edge): HPDL edges. FE: Lambton Doors' EDGEFENDER: High impact resistant edges.
Rails	1-7/16" (36 mm) Structural Composite Lumber (SCL) up to 96" (2438 mm) or 2" FPCM*.
Core	Agrifiber core with a density of 28-32 lb/ft ³ (449-513 kg/m ³) bonded to the stiles and rails. Rapidly renewable material, LD-1.
Adhesive	Type I (waterproof); PVA (UF-Free).
Face	Wood veneer, MDO or HPDL laminated to a HDF.
Options	Blocking for hardware.
Lite and louver openings	Minimum 5" (127 mm) from stiles or rails and from cut-out to cut-out. Cut out for glass must not exceed 1296 sq. in.
Notes	Stile and rail dimensions shown are rough sizes, before trimming.
Warranty	Life of original installation.
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
Environnemental Benefits	Recycled content. All Series. Rapidly renewable material. All Series. FSC Certified Wood. Specify 5-FSAG45 / 5-FSAGP45 . Low Emitting Materials, NAF. Specify 5-UFAG45 / 5-UFAGP45 . HPD - Health Product Declaration available.
Door weight	Thickness 1-3/4" (44mm) = 4,9 lb/ft ² .
	* FPCM: Fire Proof Composite Material

Printed in Canada 2017/05

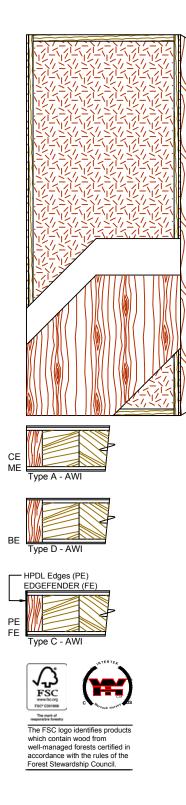


U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com

COMMERCIAL AND ARCHITECTURAL DOORS

Particleboard Core Door (PC)

Standard Series EnviroDesign™ Series 5-PC-CE/ME/BE 5-UFPC-ECE/EME/EBE 5-FSPC-ECE/EME/EBE



SPECIFICATIONS	DESCRIPTIONS
Туре	Particleboard core (interior use).
In Conformity with Industry Standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM D5456-09 ANSI A208.1
Fire Rating Details	20 minutes neutral or positive pressure Refer to Fire-Rated Options of our Architectural Catalog (e-version) CAN/ULC-S104 NFPA 252 UL 10B neutral pressure UL 10C positive pressure category B UL 10C positive pressure category A in option
Thicknesses	Non-Rated: 1-3/8" (35 mm). 20 Minutes: 1-3/4" (44 mm) to 2-1/4" (57 mm).
Maximum Sizes	Non-Rated: 48" x 120" (1 219 mm x 3 048 mm). Neutral Pressure: 48" x 120" (1 219 mm x 3 048 mm). Positive Pressure: 48" x 108" (1 219 mm x 2 743 mm).
Stiles	CE (Compatible Edge): 7/16" (11 mm) wood (mill option). ME (Matching Edge): 7/16" (11 mm) hardwood. BE (Blind Edge): 7/16" (11 mm) hardwood. Laminated to 1" (25 mm) Structural Composite Lumber (SCL). PE (Plastic Edge): HPDL edges. FE: Lambton Doors' EDGEFENDER: High impact resistant edges.
Rails	1-7/16" (36 mm) Structural Composite Lumber (SCL).
Core	Particleboard core with a density of 28-32 PCF (449-513 kg/m ³) LD-1 bonded to the stiles and rails.
Adhesive	Type I (waterproof); PVA (UF-Free).
Face	Wood veneer, MDO or HPDL laminated to a HDF.
Options	LD-2 core, FSC and ULEF. 15/16" (24 mm) wood (mill option) or hardwood laminated to 1" (25 mm) Structural Composite Lumber (SCL).
Lite and Louver Openings	Wood louvers not permitted in 20 minutes labeled doors. Cut-out must not exceed 40% of door area (LD-1). All models: Minimum 5" (127 mm) from stiles or rails. Non-Rated: Minimum 1-1/2" (38 mm) from cut-out to cut-out. 20 Minutes: Minimum 2-3/4" (70 mm) from cut-out to cut-out.
Notes	Stile and rail dimensions shown are rough sizes, before trimming.
Warranty	Life of original installation.
Factory Finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
Environnemental Benefits	Recycled content. All Series. Regional Materials. According to job site location. FSC Certified Wood. Specify 5-FSPC . Low Emitting Materials, NAF/ULEF. Specify 5-UFPC . EPD - Environmental Product Declaration available. HPD - Health Product Declaration available.
Door weight	Thickness 1-3/4" (44mm) : LD-1= 5,2 lbs/ft ² LD-2= 5,6 lbs/ft ²

Printed in Canada 2017/05



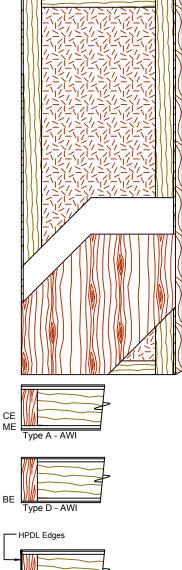
COMMERCIAL AND ARCHITECTURAL DOORS

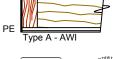
l

Particleboard Core Door (PC)

COMMERCIAL AND ARCHITECTURAL DODA MANUFACTURER

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com







The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.

Standard Series EnviroDesign™ Series	5-8300-CE/ME/BE 5-UF8300-ECE/EME/EBE 5-FS8300-ECE/EME/EBE
	5-FS8300-ECE/EME/EBE

SPECIFICATIONS	DESCRIPTIONS
Туре	Particleboard core (interior use).
In Conformity with Industry Standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM D5456-09 ANSI A208.1
Fire Rating Details	20 minutes neutral or positive pressure Refer to Fire-Rated Options of our Architectural Catalog (e-version) CAN/ULC-S104 NFPA 252 UL 10B neutral pressure UL 10C positive pressure category B UL 10C positive pressure category A in option
Thicknesses	Non-Rated: 1-3/8" (35 mm). 20 Minute: 1-3/4" (44 mm) to 2-1/4" (57 mm).
Maximum Sizes	Non-Rated: 48" x 120" (1 219 mm x 3 048 mm). Neutral Pressure: 48" x 120" (1 219 mm x 3 048 mm). Positive Pressure: 48" x 108" (1 219 mm x 2 743 mm).
Stiles	CE (Compatible Edge): 7/16" (11 mm) wood (mill option). ME (Matching Edge): 7/16" (11 mm) hardwood. BE (Blind Edge): 7/16" (11 mm) hardwood. Laminated to 4" (102 mm) Structural Composite Lumber (SCL).
Rails	3" (76 mm) Structural Composite Lumber (SCL).
Core	Particleboard core with a density of 28-32 PCF (449-513 kg/m ³) LD-1 bonded to the stiles and rails.
Adhesive	Type I (waterproof); PVA (UF-Free); VOC<0.683 g/L.
Face	Wood veneer, MDO or HPDL laminated to a HDF.
Options	LD-2 core, FSC and UF-Free. UF-Free faces. 15/16" (24 mm) wood (mill option) or hardwood laminated to 4" (102 mm) Structural Composite Lumber (SCL). PE (Plastic Edge): HPDL edges. Lambton Doors' EDGEFENDER : High impact resistant edges.
Lite and Louver Openings	Wood louvers not permitted in 20 minutes labeled doors. Cut-out must not exceed 40% of door area (LD-1). All models: Minimum 5" (127 mm) from stiles or rails. Non-Rated: Minimum 1-1/2" (38 mm) from cut-out to cut-out. 20 Minute: Minimum 2-3/4" (70 mm) from cut-out to cut-out.
Notes	Stile and rail dimensions shown are rough sizes, before trimming.
Warranty	Life of original installation.
Factory Finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. No VOC. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
LEED ® Credits	MRc4.1, 4.2: Recycled content. All Series. MRc5: Regional Materials. According to job site location. MRc7: FSC Certified Wood. Specify 5-FS8300. IEQ 4.4: Low Emitting Materials, UF-Free. Specify 5-UF8300.

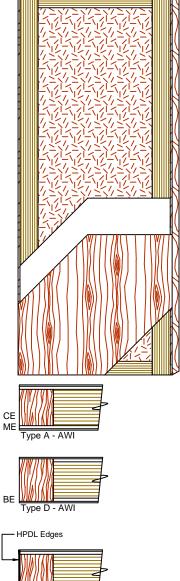
Printed in Canada 2015/12



COMMERCIAL AND ARCHITECTURAL DOORS

COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com







The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.

Particleboard Core Door (PC)

Standard Series	5-8500-CE/ME/BE
EnviroDesign [™] Series	5-UF8500-ECE/EME/EBE
	5-FS8500-ECE/EME/EBE

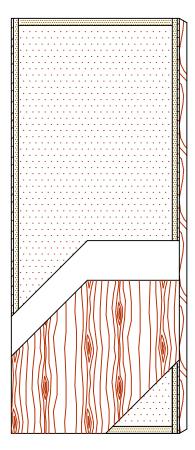
SPECIFICATIONS	DESCRIPTIONS
Туре	Particleboard core (interior use)
In Conformity with Industry Standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM D5456-09 ANSI A208.1
Fire Rating Details	20 minutes neutral or positive pressure Refer to Fire-Rated Options of our Architectural Catalog (e-version) CAN/ULC-S104 NFPA 252 UL 10B neutral pressure UL 10C positive pressure category B UL 10C positive pressure category A in option
Thicknesses	Non-Rated: 1-3/8" (35 mm). 20 Minute: 1-3/4" (44 mm) to 2-1/4" (57 mm).
Maximum Sizes	Non-Rated: 48" x 120" (1 219 mm x 3 048 mm). Neutral Pressure: 48" x 120" (1 219 mm x 3 048 mm). Positive Pressure: 48" x 108" (1 219 mm x 2 743 mm).
Stiles	CE (Compatible Edge): 15/16" (24 mm) wood (mill option). ME (Matching Edge): 15/16" (24 mm) hardwood. BE (Blind Edge): 15/16" (24 mm) hardwood. Laminated to a piece of 3-3/8" (86 mm) thick. This piece is made of laminated wood veneer strips of 1/8" (3 mm) each. These strips are longitudinally laminated by hot pressing (LVL).
Rails	Piece of 3-3/8" (86 mm) thick. This piece is made of laminated wood veneer strips of 1/8" (3 mm) each. These strips are longitudinally laminated by hot pressing (LVL).
Core	Particleboard core with a density of 28-32 PCF (449-513 kg/m ³) LD-1 bonded to the stiles and rails.
Adhesive	Type I (waterproof); PVA (UF-Free); VOC<0.683 g/L.
Face	Wood veneer, MDO or HPDL laminated to a HDF.
Options	LD-2 core, FSC and UF-Free. UF-Free faces. PE (Plastic Edge): HPDL edges. Lambton Doors' EDGEFENDER : High impact resistant edges.
Lite and Louver Openings	Wood louvers not permitted in 20 minutes labeled doors. Cut-out must not exceed 40% of door area (LD-1). All models: Minimum 5" (127 mm) from stiles or rails. Non-Rated: Minimum 1-1/2" (38 mm) from cut-out to cut-out. 20 Minute: Minimum 2-3/4" (70 mm) from cut-out to cut-out.
Notes	Stile and rail dimensions shown are rough sizes, before trimming.
Warranty	Life of original installation.
Factory Finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. No VOC. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
LEED ® Credits	MRc4.1, 4.2: Recycled content. All Series. MRc5: Regional Materials. According to job site location. MRc7: FSC Certified Wood. Specify 5-FS8500. IEQ 4.4: Low Emitting Materials, UF-Free. Specify 5-UF8500. Printed in Canada 2015/12

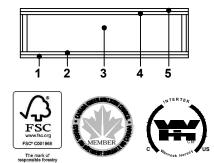
Printed in Canada 2015/12



COMMERCIAL AND AACHITECTUAAL DOOA MANUFACTUAEA

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com





The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.



COMMERCIAL AND ARCHITECTURAL DOORS



Laminated strand lumber core FSC Certified

NO UREA FORMALDEHYDE

Compatible edge 5-FSLSL-ECE

Matching edge 5-FSLSL-EME

SPECIFICATIONS	DESCRIPTION
Туре	FSC Certified Laminated Strand Lumber Core (interior use)
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED. 1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09
Thickness	1-3/4" (44 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).
Stiles	 ECE: 7/16" (11 mm) wood (mill option) laminated to 1" (25 mm) structural composite lumber (SCL). EME: 7/16" (11 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL).
Rails	1-7/16" (36 mm) structural composite lumber (SCL).
Core	Structural composite lumber (SCL) core with a density of 38 PCF (609 kg/m ³) bonded to the stiles. No added urea formaldehyde resin. FSC Certified.
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Wood veneer, HDF or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.
Options	 20 minute rating neutral or positive pressure. Refer to Fire Door Section of our Website for details. 15/16" (24 mm) wood (mill option) or hardwood laminated to 1" (25 mm) structural composite lumber (SCL).
Lite and louver opening	Wood louvers not permitted in 20 minute labeled doors. Minimum 5" (127 mm) from stiles or rails. Minimum 1-1/2" (38 mm) from cut-out to cut-out. Refer to Options Section of our Website for details.
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC .
Environmental description	Recycled Content (LEED MRc4.1, 4.2). FSC Certified Wood (LEED MRc7). Low-Emitting Materials (LEED EQc4.4).
INFORMATION	www.lambtondoors.com

Printed in Canada 2011/10



COMMERCIAL AND ARCHITECTURAL DOORS

COMMERCIAL AND AACHITECTUAAL DOOR MANUFACTUAEA U.S.A. : 1 800 363.22

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com



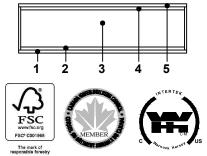
Laminated strand lumber core

FSC Certified

NO UREA FORMALDEHYDE

Blind edge 5-FSLSL-EBE

SPECIFICATIONS	DESCRIPTION
Туре	Laminated strand lumber core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09
Thickness	1-3/4" (44 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).
Stiles	7/16" (11 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL).
Rails	1-7/16" (36 mm) structural composite lumber (SCL).
Core	Structural composite lumber (SCL) core with a density of 38 PCF (609 kg/m ³) bonded to the stiles. No added urea formaldehyde resin. FSC Certified.
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Wood veneer bonded to a UF free composite crossband. No added urea formaldehyde resin.
Option	20 minute rating neutral or positive pressure. Refer to Fire Door Section of our Website for details.
Lite and louver opening	Wood louvers not permitted in 20 minute labeled doors. Minimum 5" (127 mm) from stiles or rails. Minimum 1-1/2" (38 mm) from cut-out to cut-out. Refer to Options Section of our Website for details.
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain and clearcoat finish available. Custom color matching available. Seal top and bottom standard. NO VOC.
Environmental description	Recycled Content (LEED MRc4.1, 4.2). FSC Certified Wood (LEED MRc7). Low-Emitting Materials (LEED EQc4.4).
INFORMATION	www.lambtondoors.com



The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.

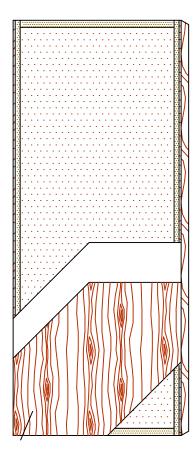


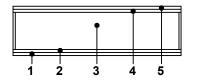
Printed in Canada 2011/10



COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com







COMMERCIAL AND ARCHITECTURAL DOORS



EnviroDesign Laminated strand lumber core

NO UREA FORMALDEHYDE

Compatible edge 5-UFLSL-ECE

Matching edge 5-UFLSL-EME

SPECIFICATIONS	DESCRIPTION
Туре	Laminated strand lumber core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED. 1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09
Thickness	1-3/8" (35 mm) - 1-3/4" (44 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).
Stiles	 ECE: 7/16" (11 mm) wood (mill option) laminated to 1" (25 mm) structural composite lumber (SCL). EME: 7/16" (11 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL).
Rails	1-7/16" (36 mm) structural composite lumber (SCL).
Core	Structural composite lumber (SCL) with a density of 38 PCF (609 kg/m ³) bonded to the stiles. No added urea formaldehyde resin.
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Wood veneer, HDF or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.
	 [Door 1-3/4" (44 mm)] 20 minute rating neutral or positive pressure. Refer to Fire Door Section of our Website for details. 15/16" (24 mm) wood (mill option) or hardwood laminated to 1" (25 mm) structural composite lumber (SCL).
Lite and louver opening	Wood louvers not permitted in 20 minute labeled doors. Minimum 5" (127 mm) from stiles or rails. Minimum 1-1/2" (38 mm) from cut-out to cut-out. Refer to Options Section of our Website for details.
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC .
Environmental description	Low-Emitting Materials (LEED EQc4.4).
INFORMATION	www.lambtondoors.com

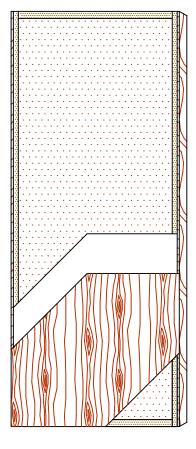
Printed in Canada 2010/12

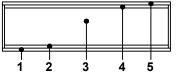


COMMERCIAL AND ARCHITECTURAL DOORS

COMMERCIAL AND ARCHITECTUAAL DODA MANUFACTUAEA

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com









Laminated strand lumber core

NO UREA FORMALDEHYDE

AND THE DEPOSIT OF A DEPOSIT

Blind edge 5-UFLSL-EBE

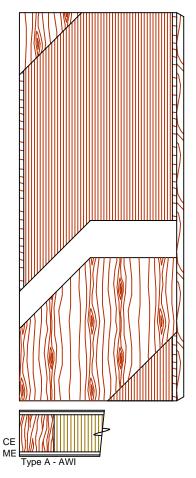
SPECIFICATIONS	DESCRIPTION
Туре	Laminated strand lumber core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09
Thickness	1-3/8" (35mm) - 1-3/4" (44 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).
Stiles	7/16" (11 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL).
Rails	1-7/16" (36 mm) structural composite lumber (SCL).
Core	Structural composite lumber (SCL) with a density of 38 PCF (609 kg/m ³) bonded to the stiles. No added urea formaldehyde resin.
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Wood veneer bonded to a UF free composite crossband. No added urea formaldehyde resin.
Option	[Door 1-3/4"- (44 mm)] 20 minute rating neutral or positive pressure. Refer to Fire Door Section of our Website for details.
Lite and louver opening	Wood louvers not permitted in 20 minute labeled doors. Minimum 5" (127 mm) from stiles or rails. Minimum 1-1/2" (38 mm) from cut-out to cut-out. Refer to Options Section of our Website for details.
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain and clearcoat finish available. Custom color matching available. Seal top and bottom standard. NO VOC.
Environmental description	Low-Emitting Materials (LEED EQc4.4).
INFORMATION	www.lambtondoors.com

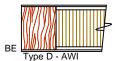
Printed in Canada 2010/12



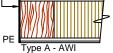
COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com





- HPDL Edges



The FSC logo identifies products which contain wood from well-managed forests certified in **J** FSC

accordance with the rules of the Forest Stewardship Council.



COMMERCIAL AND ARCHITECTURAL DOORS

Laminated Veneer Lumber Core (LVL)

Standard Series EnviroDesign[™] Series

5-LVL-CE/ME/BE 5-UFLVL-ECE/EME/EBE 5-FSLVL-ECE/EME/EBE

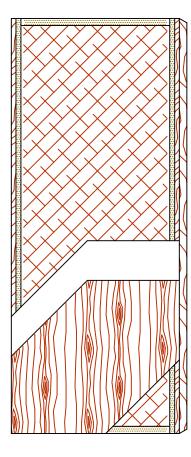
SPECIFICATIONS	DESCRIPTIONS
Type In Conformity with Industry Standards	Laminated Veneer Lumber Core (interior use). ARCHITECTURAL WOODWORK STANDARDS-ED. 2 W.D.M.A. SERIES I.S.1-A-2013 CSA 0132.2 SERIES 90 ASTM D5456-09
Thicknesses	1-3/4" (44 mm).
Maximum Sizes	48" x 120" (1 219 mm x 3 048 mm).
Stiles	CE (Compatible Edge):15/16" (24 mm) wood (mill option).ME (Matching Edge):15/16" (24 mm) hardwood.BE (Blind Edge):15/16" (24 mm) hardwood.
Core	Piece of laminated wood veneer strips of 1/8" (3 mm) each. These strips are longitudinally laminated by hot pressing (LVL).
Adhesive	Type I (waterproof); PVA (UF-Free); VOC<0.683 g/L.
Face	Wood veneer, MDO or HPDL laminated to a HDF.
Options	UF-Free faces. PE (Plastic Edge): HPDL edges. Lambton Doors' EDGEFENDER : High impact resistant edges.
Lite and Louver Openings	Minimum 5" (127 mm) from stiles or rails . Minimum 1-1/2" (38 mm) from cut-out to cut-out.
Notes	Stile and rail dimensions shown are rough sizes, before trimming.
Warranty	Life of original installation.
Factory Finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. No VOC. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
LEED ® Credits	 MRc4.1: Recycled content. All Series. MRc5: Regional Materials. According to job site location. MRc7: FSC Certified Wood. Specify 5-FSLVL. IEQ 4.4: Low Emitting Materials, UF-Free. Specify 5-UFLVL.

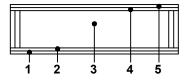
Printed in Canada 2015/12



COMMERCIAL AND AACHITECTUAAL Dooa manufactuaea

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com







COMMERCIAL AND ARCHITECTURAL DOORS

Hollow core

NO UREA FORMALDEHYDE

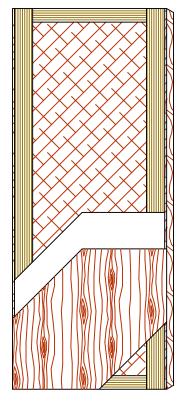
Compatible edge 5-UFHC-ECE

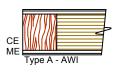
Matching edge 5-UFHC-EME

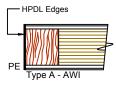
SPECIFICATIONS	DESCRIPTION
Туре	Hollow core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004
Thickness	1-3/8" (35 mm) – 1-3/4" (44 mm).
Maximum size	48" x 108" (1 219 mm x 2 743 mm).
Stiles	 ECE: 15/16" (24 mm) wood (mill option) laminated to 1" (25 mm) structural composite lumber (SCL). EME: 15/16" (24 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL).
Rails	1-7/16" (36 mm) structural composite lumber (SCL).
Core	Hollow core (mill option).
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Wood veneer, HDF or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.
Options	 4" (102 mm) stiles blocking available, lock side. Blocking material is mill option. Available in bifold.
Lite and louver opening	Not available.
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC .
Environmental description	Low-Emitting Materials (LEED EQc4.4). Recycled content (LEED MRc4.1, 4.2)
INFORMATION	www.lambtondoors.com



DOOR MANUFACTURER U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com









The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.

COMMERCIAL AND ARCHITECTURAL DOORS

Hollow core

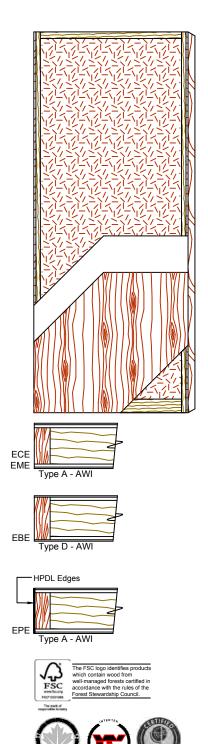
Standard Series EnviroDesign[™] Series

5-HC8500-CE/ME 5-UFHC8500-ECE/EME 5-FSHC8500-ECE/EME

SPECIFICATIONS	DESCRIPTIONS
Туре	Hollow core (interior use).
In Conformity with Industry Standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM D5456-09
Thicknesses	1-3/8" (35 mm) to 1-3/4" (45 mm).
Maximum Sizes	48" x 108" (1 219 mm x 2 743 mm).
Stiles	CE (Compatible Edge): 15/16" (24 mm) wood (mill option). ME (Matching Edge): 15/16" (24 mm) hardwood. PE (Plastic Edge): HPDL edges. FE (Lambton Doors' EDGEFENDER): High impact resistant edges. Laminated to a piece of 3-3/8" (86 mm) thick. This piece is made of
	laminated to a piece of 3-3/8 (86 min) finck. This piece is made of laminated wood veneer strips of 1/8" (3 mm) each. These strips are longitudinally laminated by hot pressing (LVL).
Rails	Piece of 3-3/8" (86 mm) thick. This piece is made of laminated wood veneer strips of 1/8" (3 mm) each. These strips are longitudinally laminated by hot pressing (LVL).
Core	Hollow core (mill option).
Adhesive	Type I (waterproof); PVA (UF-Free); VOC<0.683 g/L.
Face	Wood veneer, MDO or HPDL laminated to a HDF. UF-Free faces in option.
Lite and Louver Openings	Not available.
Notes	Stile and rail dimensions shown are rough sizes, before trimming.
Warranty	Life of original installation.
Factory Finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. No VOC. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
LEED ® Credits	MRc4.1, 4.2: Recycled content. All Series. MRc7: FSC Certified Wood. Specify 5-FSHC8500. IEQ 4.4: Low Emitting Materials, UF-Free. Specify 5-UFHC8500.



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com







Acoustical Door

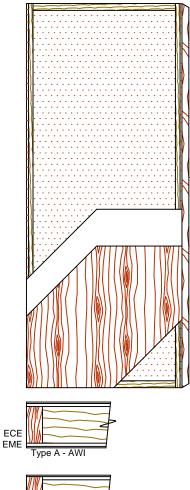
NO UREA FORMALDEHYDE

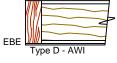
Compatible edge 5-STC27-ECE Matching edge 5-STC27-EME Blind edge 5-STC27-EBE

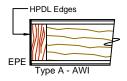
SPECIFICATIONS	DESCRIPTIONS
Туре	Sound dampening core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM E90-99 ASTM E413-87 ASTM D5456-09 C.S.A. 0132.2 Serie 90
Thickness	1-3/4" (44 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).
Stiles	ECE (Compatible Edge):7/16" (11 mm) wood (mill option).EME (Matching Edge):7/16" (11 mm) hardwood.EBE (Blind Edge):7/16" (11 mm) hardwood.Laminated to 1" (25 mm) Structural Composite Lumber (SCL).
Rails	Top: 1-7/16" (36 mm) structural composite lumber (SCL) Bottom: 3" (76 mm) structural composite lumber (SCL).
Core	Proprietary material.
Adhesive	Type I, fully waterproof; PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Wood veneer or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.
Acoustical rating	STC27. For pair and transom, STC rating will be affected.
Lite opening	Limited to 1 296 Sq. in. (0,836 Sq. m.). Will affect STC rating.
Notes	 Doors tested using double S88BL Siliconseal [™] gasket, 434ARL drop seal, 2005AT threshold and 3 standard hinges. The use of hardware other than those tested will affect STC rating. Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary depending on the hardware. For pair and transom, Lambton Doors will provide a wood or listed astragal with S88BL Siliconseal [™] gasket. Available for 20 minute fire-rated door. Available 20 minute fire-rated in positive and neutral pressure. In positive pressure maximum height 108" and neutral pressure maximum height 120". Refer to Technical Space of our Website for details.
Options	15/16" (24 mm) wood (mill option) or hardwood laminated to 1" (25 mm) Structural Composite Lumber (SCL) EPE (Plastic Edge): HPDL edge. Lambton Doors' EDGEFENDER: High impact resistant edges.
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. No VOC. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
LEED ® Credits	MRc4.1, 4.2: Recycled content. MRc7: FSC Certified Wood. Available on request. IEQ 4.4: Low Emitting Materials, UF-Free.



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com









COMMERCIAL AND ARCHITECTURAL DOORS



Acoustical Door

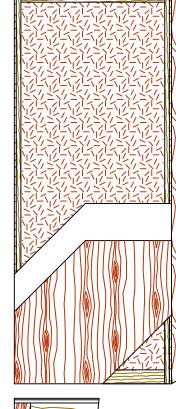
NO UREA FORMALDEHYDE

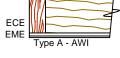
Compatible edge 5-STC31-ECE Matching edge 5-STC31-EME Blind edge 5-STC31-EBE

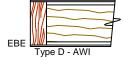
SPECIFICATIONS	DESCRIPTIONS	
Туре	Sound dampening core (interior use).	
In conformity with industry standards	ARCHITECTURAL WOODWO WDMA Series I.S.1-A-2013 ASTM E90-99 ASTM D5456-09	RK STANDARDS-ED.2 ASTM E413-87 C.S.A. 0132.2 Serie 90
Thickness	1-3 / 4" (44 mm).	
Maximum size	48" x 120" (1 219 mm x 3 048 r	nm).
Stiles		(11 mm) hardwood. (11 mm) hardwood.
Rails	1-7/16" (36 mm) structural com	posite lumber (SCL).
Core	Proprietary material.	
Adhesive	Type I, fully waterproof; PVA (n	o urea formaldehyde); VOC<0.683 g/L.
Face	Wood veneer or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.	
Acoustical rating	STC31. For pair and transom, STC rating will be affected.	
Lite opening	Limited to 1 296 Sq. in. (0,836 Sq. m.). Will affect STC rating.	
Notes	 2005AT threshold and 3 stand those tested will affect STC ra Stile and rail dimensions show Dimensions will vary dependir For pair and transom, Lambto or listed astragal with S88BL \$20 minute fire-rated door. Available 20 minute fire-rated pressure maximum height 108 Refer to Technical Space of o 	n are rough sizes, before trimming. Ing on the hardware. In Doors will provide a wood Siliconseal [™] gasket. Available for in positive and neutral pressure. In positive " and neutral pressure maximum height 120". ur Website for details.
Options	15/16" (24 mm) wood (mill option) or hardwood laminated to 1" (25 mm) Structural Composite Lumber (SCL) EPE (Plastic Edge): HPDL edge. Lambton Doors' EDGEFENDER: High impact resistant edges.	
Warranty	Life of original installation. See our complete warranty for details.	
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and pu Custom color matching availab Sealed top and bottom standar Lambton Doors' ASEPTI : Antim	imed finish available. No VOC. le.
LEED ® Credits	MRc4.1: Recycled content. MRc7: FSC Certified Wood. Av IEQ 4.4: Low Emitting Material:	1

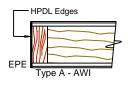


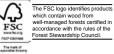
U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com













COMMERCIAL AND ARCHITECTURAL DOORS



Acoustical Door

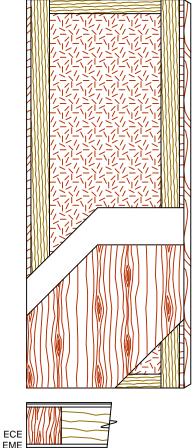
NO UREA FORMALDEHYDE

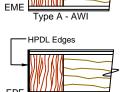
Compatible edge 5-STC35-ECE Matching edge 5-STC35-EME Blind edge 5-STC35-EBE

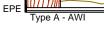
SPECIFICATIONS	DESCRIPTIONS
Туре	Sound dampening core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM E90-04 ASTM E413-04 ASTM E1332-90 ASTM E2235-04 ASTM D5456-09 C.S.A. 0132.2 Serie 90 Output
Thickness	1-3/4" (44 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).
Stiles	ECE (Compatible Edge):7/16" (11 mm) wood (mill option).EME (Matching Edge):7/16" (11 mm) hardwood.EBE (Blind Edge):7/16" (11 mm) hardwood.Laminated to 1" (25 mm) of proprietary material.
Rails	Top: 1-7/16" (37 mm) of proprietary material. Bottom: 3" (76 mm) of proprietary material.
Core	Proprietary material.
Adhesive	Type I, fully waterproof; PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Wood veneer or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.
Acoustical rating	STC35. For pair and transom, STC rating will be affected.
Lite opening	Limited to 1 296 Sq. in. (0,836 Sq. m.). Will affect STC rating.
Notes	 Doors tested using double S88BL Siliconseal[™] gasket, 434ARL drop seal 2005AT threshold and 3 heavy duty hinges. The use of hardware other than those tested will affect STC rating. Stile dimensions shown are rough sizes, before trimming. Dimensions will vary depending on the hardware. For pair and transom, Lambton Doors will provide a wood astragal with S88BL Siliconseal[™] gasket. Heavy duty hinges must be used. Weight : 9.4 lbs/sq. ft. (45.8 kg/sq. m.). Not available fire-rated. Refer to STC35-90 in such a case.
Options	15/16" (24 mm) wood (mill option) or hardwood laminated to 1" (25 mm) of proprietary material. EPE (Plastic Edge): HPDL edge. Lambton Doors' EDGEFENDER: High impact resistant edges.
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. No VOC. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
LEED ® Credits	MRc4.1: Recycled content. MRc7: FSC Certified Wood. Available on request. IEQ 4.4: Low Emitting Materials, UF-Free.



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com











COMMERCIAL AND ARCHITECTURAL DOORS



Acoustical Door

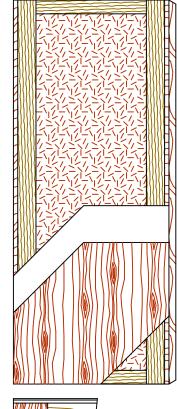
NO UREA FORMALDEHYDE

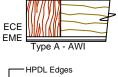
Compatible edge 5-STC37-ECE Matching edge 5-STC37-EME

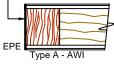
SPECIFICATIONS	DESCRIPTIONS
Туре	Sound dampening core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM E90-02 ASTM E413-87 ASTM D5456-09 C.S.A. 0132.2 Serie 90
Thickness	1-3/4" (44 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).
Stiles	ECE (Compatible Edge): 15/16" (24 mm) wood (mill option). EME (Matching Edge): 15/16" (24 mm) hardwood. Laminated to 4" (102 mm) structural composite lumber (SCL).
Rails	3" (76 mm) structural composite lumber (SCL).
Core	Proprietary material.
Adhesive	Type I, fully waterproof; PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Wood veneer or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.
Acoustical rating	STC37 For pair and transom, STC rating will be affected.
Lite opening	Tested with a 1/4" (6 mm) Safety or Tempered Glass. 667 Sq. in. (0,43 Sq. m.) maximum, otherwise stc rating will be affected.
Notes	 Doors tested using double S88BL Siliconseal[™] gasket, 434ARL drop seal, 2005AT threshold and 3 heavy duty hinges. The use of hardware other than those tested will affect STC rating. Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary depending on the hardware. For pair and transom, Lambton Doors will provide a wood astragal with S88BL Siliconseal[™] gasket. Heavy duty hinges must be used. Weight : 11.2 lbs/sq. ft. (54.6 kg/sq. m.). Not available fire-rated.
Options	EPE (Plastic Edge): HPDL edge. Lambton Doors' EDGEFENDER: High impact resistant edges.
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. No VOC. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
LEED ® Credits	MRc4.1, 4.2: Recycled content. MRc7: FSC Certified Wood. Available on request. IEQ 4.4: Low Emitting Materials, UF-Free.



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com











COMMERCIAL AND ARCHITECTURAL DOORS



Acoustical Door

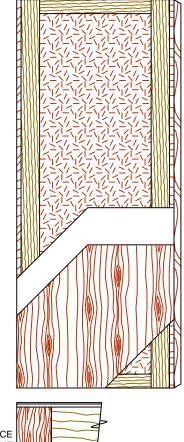
NO UREA FORMALDEHYDE

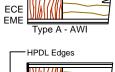
Compatible edge 5-STC43-ECE Matching edge 5-STC43-EME

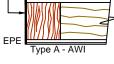
SPECIFICATIONS	DESCRIPTIONS
Туре	Sound dampening core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM E90-02 ASTM E413-87 ASTM D5456-09 C.S.A. 0132.2 Serie 90
Thickness	1-3/4" (44 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).
Stiles	ECE (Compatible Edge):15/16" (24 mm) wood (mill option).EME (Matching Edge):15/16" (24 mm) hardwood.Laminated to 4" (102 mm) structural composite lumber (SCL).
Rails	3" (76 mm) structural composite lumber (SCL).
Core	Proprietary material.
Adhesive	Type I, fully waterproof; PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Wood veneer or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.
Acoustical rating	STC43 For pair and transom, STC rating will be affected.
Lite opening	Tested with a 3/4" (19 mm) Sound Laminated Thermos Glass installed by Lambton Doors. 667 Sq. in. (0,43 Sq. m.) maximum, otherwise STC rating will be affected.
Notes	 Doors tested using double S88BL Siliconseal[™] gasket, 434ARL drop seal, 2005AT threshold and 3 heavy duty hinges. The use of hardware other than those tested will affect STC rating. Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary depending on the hardware. For pair and transom, Lambton Doors will provide a wood astragal with S88BL Siliconseal[™] gasket. Heavy duty hinges must be used. Weight : 11.2 lbs/sq. ft. (54.6 kg/sq. m.). Not available fire-rated.
Options	EPE (Plastic Edge): HPDL edge. Lambton Doors' EDGEFENDER : High impact resistant edges.
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. No VOC. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
LEED ® Credits	MRc4.1, 4.2: Recycled content. MRc7: FSC Certified Wood. Available on request. IEQ 4.4: Low Emitting Materials, UF-Free.



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com











COMMERCIAL AND ARCHITECTURAL DOORS



Acoustical Door

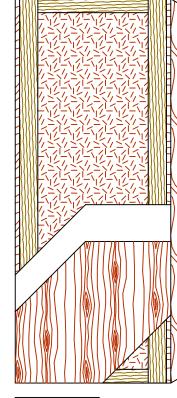
NO UREA FORMALDEHYDE

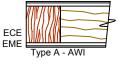
Compatible edge 5-STC44-ECE Matching edge 5-STC44-EME

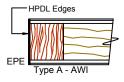
SPECIFICATIONS	DESCRIPTIONS	
Туре	Sound dampening core (interior use).	
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM E90-02 ASTM E413-87 ASTM D5456-09 C.S.A. 0132.2 Serie 90	
Thickness	1-3/4" (44 mm).	
Maximum size	48" x 120" (1 219 mm x 3 048 mm).	
Stiles	ECE (Compatible Edge): 15/16" (24 mm) wood (mill option). EME (Matching Edge): 15/16" (24 mm) hardwood. Laminated to 4" (102 mm) structural composite lumber (SCL).	
Rails	3" (76 mm) structural composite lumber (SCL).	
Core	Proprietary material.	
Adhesive	Type I, fully waterproof; PVA (no urea formaldehyde); VOC<0.683 g/L.	
Face	Wood veneer or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.	
Acoustical rating	STC44 For pair and transom, STC rating will be affected.	
Lite opening	Not available. Refer to STC43 for lite opening.	
Notes	 Doors tested using double S88BL Siliconseal[™] gasket, 434ARL drop seal 2005AT threshold and 3 heavy duty hinges. The use of hardware other than those tested will affect STC rating. Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary depending on the hardware. For pair and transom, Lambton Doors will provide a wood astragal with S88BL Siliconseal[™] gasket. Heavy duty hinges must be used. Weight : 11.2 lbs/sq. ft. (54.6 kg/sq. m.). Not available fire-rated. 	
Options	EPE (Plastic Edge): HPDL edge. Lambton Doors' EDGEFENDER: High impact resistant edges.	
Warranty	Life of original installation. See our complete warranty for details.	
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. No VOC. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.	
LEED ® Credits	MRc4.1, 4.2: Recycled content. MRc7: FSC Certified Wood. Available on request. IEQ 4.4: Low Emitting Materials, UF-Free.	



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com











COMMERCIAL AND ARCHITECTURAL DOORS



Acoustical Door

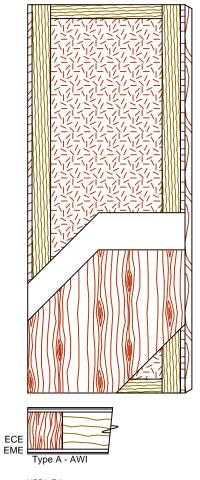
NO UREA FORMALDEHYDE

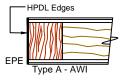
Compatible edge 5-STC45-ECE Matching edge 5-STC45-EME

SPECIFICATIONS	DESCRIPTIONS
Туре	Sound dampening core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM E90-04 ASTM E413-04 ASTM E1332-90 ASTM E2335-04 ASTM D5456-09 C.S.A. 0132.2 Serie 90 C.S.A. 0132.2 Serie 90
Thickness	1-3/4" (44 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).
Stiles	ECE (Compatible Edge): 15/16" (24 mm) wood (mill option). EME (Matching Edge): 15/16" (24 mm) hardwood. Laminated to 4" (102 mm) structural composite lumber (SCL).
Rails	3" (76 mm) structural composite lumber (SCL).
Core	Proprietary material.
Adhesive	Type I, fully waterproof; PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Wood veneer or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.
Acoustical rating	STC45 For pair and transom, STC rating will be affected.
Lite opening	Limited to 1296 Sq. in. (0,836 Sq. m.). Will affect STC rating.
	 1 row of Weatherstrip #475 on doorstops, Specify finish : "AA" : Clear Anodized (in stock). "D" : Dark Bronze Anodized. "G" : Gold Anodized. 1 rabetted Threshold #564A. Specify finish : "A" : Aluminium (in stock). "B" : Bronze. "D" : Dark Bronze Anodized. 1 row of Spring #119WB on head and jambs, and on bottom rail of the door. Specify finish : "B" : Brass (in stock). "S" : Stainless Steel. The use of hardware other than those tested will affect STC rating. Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary depending on the hardware. For pair and transom, Lambton Doors will provide a wood astragal with S88BL Siliconseal[™] gasket. Heavy duty hinges must be used. Weight : 11.2 lbs/sq. ft. (54.6 kg/sq. m.). Not available fire-rated.
Options	EPE (Plastic Edge): HPDL edge. Lambton Doors' EDGEFENDER : High impact resistant edges.
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. No VOC. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
LEED ® Credits	MRc4.1, 4.2: Recycled content. MRc7: FSC Certified Wood. Available on request. IEQ 4.4: Low Emitting Materials, UF-Free.



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com









COMMERCIAL AND ARCHITECTURAL DOORS



Acoustical Door

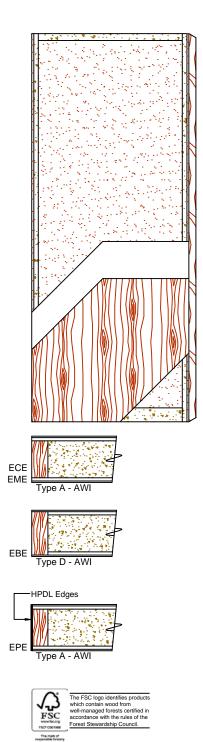
NO UREA FORMALDEHYDE

Compatible edge 5-STC50-ECE Matching edge 5-STC50-EME

	D CA ADIDTIANA
SPECIFICATIONS	DESCRIPTIONS
Туре	Sound dampening core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM E90-04 ASTM E413-04 ASTM D5456-09 C.S.A. 0132.2 Serie 90
Thickness	2-1/4" (57 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).
Stiles	 ECE (Compatible Edge): 15/16" (24 mm) wood (mill option). EME (Matching Edge): 15/16" (24 mm) hardwood. Laminated to 4" (102 mm) structural composite lumber (SCL).
Rails	3" (76 mm) structural composite lumber (SCL).
Core	Proprietary material.
Adhesive	Type I, fully waterproof; PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Wood veneer or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.
Acoustical rating	STC50 For pair and transom, STC rating will be affected.
Lite opening	Limited to 1296 Sq. in. (0,836 Sq. m.). Will affect STC rating.
Notes	 Doors tested using double row S88BL Siliconseal[™] gasket, perimeter gasketing 312 R, 434ARL drop seal, 2005AT threshold and 3 heavy duty hinges 5"x5". The use of hardware other than those tested will affect STC rating. Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary depending on the hardware. For pair and transom, Lambton Doors will provide a wood astragal with S88BL Siliconseal[™] gasket. 5"x5" heavy duty hinges must be used. Weight : 16.2 lbs/sq. ft. (79.1 kg/sq. m.) Not available fire-rated.
Options	EPE (Plastic Edge): HPDL edge. Lambton Doors' EDGEFENDER : High impact resistant edges.
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. No VOC. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
LEED ® Credits	MRc4.1, 4.2: Recycled content. MRc7: FSC Certified Wood. Available on request. IEQ 4.4: Low Emitting Materials, UF-Free.



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com







Acoustical Door

NO UREA FORMALDEHYDE

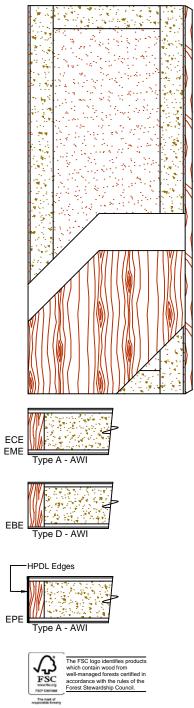
Compatible edge 5-STC3290-ECE Matching edge 5-STC3290-EME Blind edge 5-STC3290-EBE

SPECIFICATIONS	DESCRIPTIONS
Туре	Sound dampening core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM E90-99 ASTM E413-87 C.S.A. 0132.2 Serie 90
Thickness	1-3/4" (44 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).
Stiles	ECE (Compatible Edge):7/16" (11 mm) wood (mill option).EME (Matching Edge):7/16" (11 mm) hardwood.EBE (Blind Edge):7/16" (11 mm) hardwood.Laminated to 1" (25 mm) of proprietary material (FPCM)*.
Rails	Top: 1-1/2" (38 mm) of proprietary material (FPCM)*. Bottom: 3" (76 mm) of proprietary material (FPCM)*.
Core	Proprietary material.
Adhesive	Type I, fully waterproof; PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Wood veneer or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.
Acoustical rating	STC32. For pair and transom, STC rating will be affected.
Lite opening	Limited to 1 296 Sq. in. (0,836 Sq. m.). Will affect STC rating.
Notes	 Doors tested using double S88BL Siliconseal[™] gasket, 434ARL drop seal 2005AT threshold and 3 standard hinges. The use of hardware other than those tested will affect STC rating. Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary depending on the hardware. For pair and transom, Lambton Doors will provide a listed astragal with S88BL Siliconseal[™] gasket. Available up to 90 minute fire-rated door. Available up to 90 minute fire-rated in positive and neutral pressure. In positive pressure maximum height 120". Refer to Technical Space of our Website for details.
Options	EPE (Plastic Edge): HPDL edge. Lambton Doors' EDGEFENDER : High impact resistant edges.
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. No VOC. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
LEED ® Credits	MRc4.1: Recycled content. MRc7: FSC Certified Wood. Available on request. IEQ 4.4: Low Emitting Materials, UF-Free.

* Fire Proof Composite Material



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com





COMMERCIAL AND ARCHITECTURAL DOORS



Acoustical Door

NO UREA FORMALDEHYDE

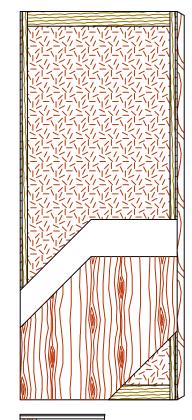
Compatible edge 5-STC3590-ECE Matching edge 5-STC3590-EME Blind edge 5-STC3590-EBE

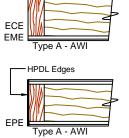
SPECIFICATIONS	DESCRIPTIONS	
Туре	Sound dampening core (interior use).	
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2WDMA Series I.S.1-A-2013ASTM E90-04ASTM E413-04ASTM E1332-90ASTM E2235-04C.S.A. 0132.2 Serie 90	
Thickness	1-3/4" (44 mm).	
Maximum size	48" x 120" (1 219 mm x 3 048 mm).	
Stiles	ECE (Compatible Edge): 7/16" (11 mm) wood (mill option). EME (Matching Edge): 7/16" (11 mm) hardwood. EBE (Blind Edge): 7/16" (11 mm) hardwood. Laminated to 5" (127 mm) of proprietary material (FPCM)*.	
Rails	Top: 5" (127 mm) of proprietary material (FPCM)*. Bottom: 5" (127 mm) of proprietary material (FPCM)*.	
Core	Proprietary material.	
Adhesive	Type I, fully waterproof; PVA (no urea formaldehyde); VOC<0.683 g/L.	
Face	Wood veneer or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.	
Acoustical rating	STC35 For pair and transom, STC rating will be affected.	
Lite opening	Limited to 1 296 Sq. in. (0,836 Sq. m.). Will affect STC rating.	
Notes	 Doors tested using double S88BL Siliconseal[™] gasket, 434ARL drop seal, 2005AT threshold and 3 standard hinges. The use of hardware other than those tested will affect STC rating. Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary depending on the hardware. For pair and transom, Lambton Doors will provide a listed astragal with S88BL Siliconseal[™] gasket. Available up to 90 minute fire-rated door. Heavy duty hinges may be used. Weight : 7.6 lbs/sq. ft. (37.1 kg/sq. m.). Available up to 90 minute fire-rated in positive and neutral pressure. In positive pressure maximum height 108" and neutral pressure maximum height 120". Refer to Technical Space of our Website for details. 	
Options	EPE (Plastic Edge): HPDL edge. Lambton Doors' EDGEFENDER: High impact resistant edges.	
Warranty	Life of original installation. See our complete warranty for details.	
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. No VOC. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.	
LEED ® Credits	MRc4.1: Recycled content. MRc7: FSC Certified Wood. Available on request. IEQ 4.4: Low Emitting Materials, UF-Free. * Fire Proof Composite Material	

Fire Proof Composite Material



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com









COMMERCIAL AND ARCHITECTURAL DOORS



Acoustical Door

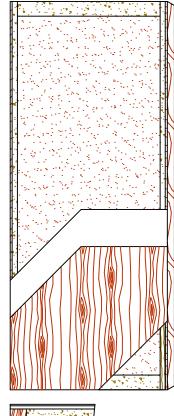
20 minute Fire-Rated NO UREA FORMALDEHYDE

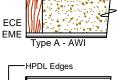
Compatible edge 5-STC4520-ECE Matching edge 5-STC4520-EME

SPECIFICATIONS	DESCRIPTIONS	
Туре	Sound dampening core (interior use).	
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM E90-99 ASTM E413-87 ASTM D5456-09 C.S.A. 0132.2 Serie 90	
Thickness	1-3/4" (44 mm).	
Maximum size	48" x 96" (1 219 mm x 2 438 mm). Single door only.	
Stiles	ECE (Compatible Edge): 7/16" (11 mm) wood (mill option). EME (Matching Edge): 7/16" (11 mm) hardwood. Laminated to 1-1/8" (29 mm) of structural composite lumber (SCL).	
Rails	Top: 3-3/16" (81 mm) of structural composite lumber (SCL). Bottom: 3-3/16" (81 mm) of structural composite lumber (SCL).	
Core	Proprietary material.	
Adhesive	Type I, fully waterproof; PVA (no urea formaldehyde); VOC<0.683 g/L.	
Face	Wood veneer or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.	
Acoustical rating	STC45	
Lite opening	Maximum dimension tested 216 Sq. in. (0,139 Sq. m.). Opening up to 864 Sq. in. (0,557 Sq. m.) available.	
Notes	 Doors tested using S773, S44 & ACP 112 gasket, PDB411AE drop seal, acoustic corner pad ACP 112 and 3 heavy duty hinges. The use of hardware other than those tested will affect STC rating. Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary depending on the hardware. Heavy duty hinges may be used. Weight : 12 lbs/sq. ft. (58 kg/sq. m.). Available 20 minute fire-rated in positive and neutral pressure. Refer to Technical Space of our Website for details. 	
Options	EPE (Plastic Edge): HPDL edge. Lambton Doors' EDGEFENDER : High impact resistant edges.	
Warranty	Life of original installation. See our complete warranty for details.	
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. No VOC. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.	
LEED ® Credits	MRc4.1, 4.2: Recycled content. MRc7: FSC Certified Wood. Available on request. IEQ 4.4: Low Emitting Materials, UF-Free.	



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com











COMMERCIAL AND ARCHITECTURAL DOORS



Acoustical Door

45 minute Fire-Rated NO UREA FORMALDEHYDE

Compatible edge 5-STC4545-ECE Matching edge 5-STC4545-EME

SPECIFICATIONS	DESCRIPTIONS	
Туре	Sound dampening core (interior use).	
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2WDMA Series I.S.1-A-2013ASTM E90-04ASTM E413-04ASTM E1332-90ASTM E2235-04C.S.A. 0132.2 Serie 90	
Thickness	1-3/4" (44 mm).	
Maximum size	36" x 84" (914 mm x 2 134 mm). Single door only.	
Stiles	ECE (Compatible Edge): 7/16" (11 mm) wood (mill option). EME (Matching Edge): 7/16" (11 mm) hardwood. Laminated to 1-1/8" (29 mm) of proprietary material (FPCM)*.	
Rails	Top: 3-3/16" (81 mm) of proprietary material (FPCM)*. Bottom: 3-3/16" (81 mm) of proprietary material (FPCM)*.	
Core	Proprietary material.	
Adhesive	Type I, fully waterproof; PVA (no urea formaldehyde); VOC<0.683 g/L.	
Face	Wood veneer or MDO bonded to a UF free composite crossband. No added urea formaldehyde resin.	
Acoustical rating	STC45	
Lite opening	Maximum dimension tested 216 Sq. in. (0,139 Sq. m.). Opening up to 864 Sq. in. (0,557 Sq. m.) available.	
Notes	 Doors tested using S773, S44 & ACP 112 gasket, PDB411AE drop seal, acoustic corner pad ACP 112 and 3 heavy duty hinges. The use of hardware other than those tested will affect STC rating. Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary depending on the hardware. Heavy duty hinges may be used. Weight : 12 lbs/sq. ft. (58 kg/sq. m.). Available 45 minute fire-rated in positive and neutral pressure. Refer to Technical Space of our Website for details. 	
Options	EPE (Plastic Edge): HPDL edge. Lambton Doors' EDGEFENDER : High impact resistant edges.	
Warranty	Life of original installation. See our complete warranty for details.	
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. No VOC. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.	
LEED ® Credits	MRc4.1: Recycled content. MRc7: FSC Certified Wood. Available on request. IEQ 4.4: Low Emitting Materials, UF-Free.	

* Fire Proof Composite Material



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com

COMMERCIAL AND ARCHITECTURAL DOORS

Fire Door System Mineral core door 45 minute

Standard Series

EnviroDesign[™] Series

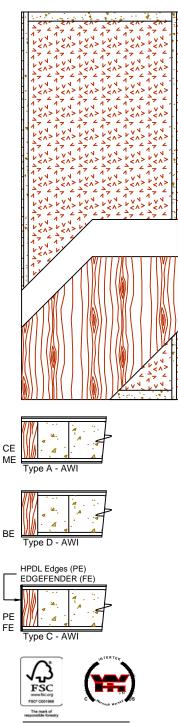
5-FD45-CE/ME/BE 5-FD45-ECE/EME/EBE

EnviroDesign

SPECIFICATIONS	DESCRIPTIONS
Туре	Mineral core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 W.D.M.A. SERIES I.S.1-A-2013
Fire rating details	45 minutes neutral or positive pressure Refer to Fire-Rated Options of our Architectural Catalog (e-version) CAN/ULC-S104 NFPA 252 UL 10B neutral pressure UL 10C positive pressure category B UL 10C positive pressure category A in option
Thicknesses	1-3/4" (44 mm) to 2-1/4" (57 mm).
Maximum sizes	Positive pressure : 48" x 108" (1 219 mm x 2 743 mm). Neutral pressure : 48" x 120" (1 219 mm x 3 048 mm).
Stiles	CE (Compatible Edge): 7/16" (11 mm) wood (mill option). ME (Matching Edge): 7/16" (11 mm) hardwood. BE (Blind Edge): 7/16" (11 mm) hardwood. Laminated to 1" (25 mm) (FPCM)*. PE (Plastic Edge): HPDL edges. FE: Lambton Doors' EDGEFENDER: High impact resistant edges.
Rails	2" (51 mm) proprietary material (FPCM)*.
Core	Non-combustible mineral core bonded to the stiles and rails.
Adhesive	Type I (waterproof); PVA (UF-Free).
Face	Wood veneer, MDO or HPDL laminated to a HDF.
Options	Blocking for hardware.
Lite and louver openings	Cut-out for lite and louver with size limitations.
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Warranty	Life of original installation.
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
Environnemental Benefits	Recycled content. All Series. FSC Certified Wood. Specify FSC. Low Emitting Materials NAF. Specify NAF.
Door weight	Thickness 1-3/4" (44mm) = 5,8 lb/ft ² .

* FPCM: Fire Proof Composite Material

Printed in Canada 2017/06



The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com

COMMERCIAL AND ARCHITECTURAL DOORS

Fire Door System Mineral core door 60 and 90 minute

Standard Series

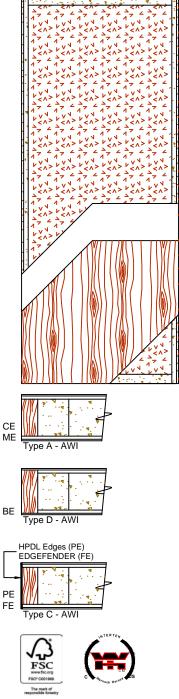
EnviroDesign[™] Series

5-FD60/90-CE/ME/BE 5-FD60/90-ECE/EME/EBE

SPECIFICATIONS	DESCRIPTIONS	
Туре	Mineral core (interior use).	
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 W.D.M.A SERIES I.S.1-A-2013	
Fire rating details	60/90 minutes neutral or positive pressure Refer to Fire-Rated Options of our Architectural Catalog (e-version) CAN/ULC-S104 NFPA 252 UL 10B neutral pressure UL 10C positive pressure category B UL 10C positive pressure category A in option	
Thicknesses	1-3/4" (44 mm) to 2-1/4" (57 mm).	
Maximum sizes	Positive pressure : 48" x 108" (1 219 mm x 2 743 mm). Neutral pressure : 48" x 120" (1 219 mm x 3 048 mm).	
Stiles	CE (Compatible Edge): 7/16" (11 mm) wood (mill option). ME (Matching Edge): 7/16" (11 mm) hardwood. BE (Blind Edge): 7/16" (11 mm) hardwood. Laminated to 1" (25 mm) (FPCM)*. PE (Plastic Edge): HPDL edges. FE: Lambton Doors' EDGEFENDER: High impact resistant edges.	
Rails	1-1/2" (38 mm) proprietary material (FPCM)*.	
Core	Non-combustible mineral core bonded to the stiles and rails.	
Adhesive	Type I (waterproof); PVA (UF-Free).	
Face	Wood veneer, MDO or HPDL laminated to a HDF.	
Options	Blocking for hardware.	
Lite and louver openings	Cut-out for lite and louver with size limitations.	
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.	
Warranty	Life of original installation.	
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.	
Environnemental Benefits	Recycled content. All Series. FSC Certified Wood. Specify FSC . Low Emitting Materials NAF . Specify NAF . HPD - Health Product Declaration available.	
Door weight	Thickness 1-3/4" (44mm) = 5,8 lb/ft ² .	
	* EPCM: Eiro Proof Composite Material	

* FPCM: Fire Proof Composite Material

Printed in Canada 2017/06



The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com

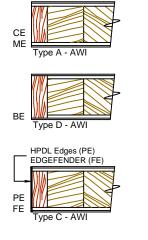
COMMERCIAL AND ARCHITECTURAL DOORS

Fire Door System Structural Composite Lumber Core Doors (SCL)

45 minute 5-SCL45-CE/ME/BE

Standard Series

EnviroDesign[™] Series 5-UFSCL45-ECE/EME/EBE 5-FSSCL45-ECE/EME/EBE





The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.

SPECIFICATIONS	DESCRIPTIONS
Туре	Structural Composite Lumber Core (SCL) (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA SERIES I.S.1-A-2013 ASTM D5456-09
Fire rating details	45 minutes neutral or positive pressure Refer to Fire-Rated Options of our Architectural Catalog (e-version) CAN/ULC-S104 NFPA 252 UL 10B neutral pressure UL 10C positive pressure category B UL 10C positive pressure category A in option
Thicknesses	1-3/4" (44 mm) to 2-1/4" (57 mm).
Maximum sizes	Single door : 48" x 96" (1 219 mm x 2 438 mm). Pair doors : 96" x 96" (2 438 mm x 2 438 mm). Specify 5-LSL45 .
Stiles	CE (Compatible Edge): 7/16" (11 mm) wood (mill option). ME (Matching Edge): 7/16" (11 mm) hardwood. BE (Blind Edge): 7/16" (11 mm) hardwood. Laminated to 1" (25 mm) Structural Composite Lumber (SCL). PE (Plastic Edge): HPDL edges. FE: Lambton Doors' EDGEFENDER: High impact resistant edges.
Rails	1-7/16" (36 mm) Structural Composite Lumber (SCL).
Core	Structural Composite Lumber (SCL) core with a density of 38 PCF (609 kg/m ³) bonded to the stiles and rails.
Adhesive	Type I (waterproof); PVA (UF-Free).
Face	Wood veneer, MDO or HPDL laminated to a HDF.
Lite and louver openings	Cut-out for lites and louvers available with size limitations. Cut-out for glass openings must not exceed 1080 sq. in. Minimum 5" (127 mm) from stiles, rails or from cut-out to cut-out.
Notes	Stile and rail dimensions shown are rough sizes, before trimming.
Warranty	Life of original installation.
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
Environnemental Benefits	Recycled content. All Series. FSC Certified Wood. Specify 5-FSSCL45 / 5-FSLSL45 . Low Emitting Materials, NAF. Specify 5-UFSCL45 / 5-UFLSL45 . EPD - Environmental Product Declaration available. HPD - Health Product Declaration available.
Door weight	Thickness 1-3/4" (44mm) = 6,1 lbs/ft ² .



U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com

CE ME

ΒE

PE FE Type A - AWI

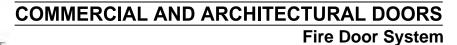
Type D - AWI HPDL Edges (PE) EDGEFENDER (FE)

Type C - AWI

FSC www.fsc.org

The mark of ponsible forestr

The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.



Standard Series

Agrifiber Core Doors (AG)

45 minute

5-AG45-CE/ME/BE

	EnviroDesign [™] Series 5-UFAG45-ECE/EME/EBE EnviroDesign 5-FSAG45-ECE/EME/EBE
SPECIFICATIONS	DESCRIPTIONS
Туре	Agrifiber core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA SERIES I.S.1-A-2013 ASTM D5456-09
Fire rating details	45 minutes neutral or positive pressure Refer to Fire-Rated Options of our Architectural Catalog (e-version) CAN/ULC-S104 NFPA 252 UL 10B neutral pressure UL 10C positive pressure category B UL 10C positive pressure category A in option
Thicknesses	1-3/4" (44 mm) to 2-1/4" (57 mm).
Maximum sizes	Single door : 48" x 120" (1 219 mm x 3 048 mm) Pair doors: 96" x 96" (2438 mm x 2438 mm) specify 5-AGP45 .
Stiles	CE (Compatible Edge): 7/16" (11 mm) wood (mill option). ME (Matching Edge): 7/16" (11 mm) hardwood. BE (Blind Edge): 7/16" (11 mm) hardwood. Laminated to 1" (25 mm) Structural Composite Lumber (SCL) up to 96" (2438 mm) or FPCM*. PE (Plastic Edge): HPDL edges. FE: Lambton Doors' EDGEFENDER: High impact resistant edges.
Rails	1-7/16" (36 mm) Structural Composite Lumber (SCL) up to 96" (2438 mm) or 2" FPCM*.
Core	Agrifiber core with a density of 28-32 lb/ft ³ (449-513 kg/m ³) bonded to the stiles and rails. Rapidly renewable material, LD-1.
Adhesive	Type I (waterproof); PVA (UF-Free).
Face	Wood veneer, MDO or HPDL laminated to a HDF.
Options	Blocking for hardware.
Lite and louver openings	Minimum 5" (127 mm) from stiles or rails and from cut-out to cut-out. Cut out for glass must not exceed 1296 sq. in.
Notes	Stile and rail dimensions shown are rough sizes, before trimming.
Warranty	Life of original installation.
Factory finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
Environnemental Benefits	Recycled content. All Series. Rapidly renewable material. All Series. FSC Certified Wood. Specify 5-FSAG45 / 5-FSAGP45 . Low Emitting Materials, NAF. Specify 5-UFAG45 / 5-UFAGP45 . HPD - Health Product Declaration available.
Door weight	Thickness 1-3/4" (44mm) = 4,9 lb/ft ² .
	* FPCM: Fire Proof Composite Material



COMMERCIAL AND AACHITECTUAAL DOOR MANUFACTUAEA

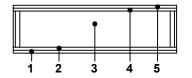
U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com

Laminated strand lumber core

Compatible edge 5-LSL-CE

Matching edge 5-LSL-ME

SPECIFICATIONS	DESCRIPTION
Туре	Laminated strand lumber core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09
Thickness	1-3/8" (35 mm) – 1-3/4" (44 mm). 2" (51 mm) – 2-1/4" (57 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).
Stiles	 CE: 7/16" (11 mm) wood (mill option) laminated to 1" (25 mm) structural composite lumber (SCL). ME: 7/16" (11 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL).
Rails	1-7/16" (36 mm) structural composite lumber (SCL).
Core	Structural composite lumber (SCL) with a density of 38 PCF (609 kg/m ³) bonded to the stiles.
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Wood veneer or MDO bonded to a composite crossband.
Options	 [Door 1-3/4"- (44 mm)] 20 minute rating neutral or positive pressure. Refer to Fire Door Section of our website for details. 15/16" (24 mm) wood (mill option) or hardwood laminated to 1" (25 mm) structural composite lumber (SCL).
Lite and louver openings	Wood louvers not permitted in 20 minute labeled doors. Minimum 5" (127 mm) from stiles or rails. Minimum 1-1/2" (38 mm) from cut-out to cut-out. Refer to Option Section of our website for details.
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Warranty	Life of original installation. See our complete warranty for details.
Factory Finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC.
INFORMATION	www.lambtondoors.com

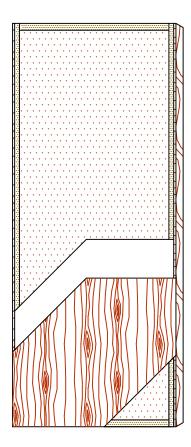


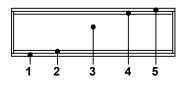




COMMERCIAL AND ARCHITECTUAAL DOOA MANUFACTUAEA

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com







Laminated strand lumber core

Blind edge 5-LSL-BE

SPECIFICATIONS	DESCRIPTION	
Туре	Laminated strand lumber core (interior use).	
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09	
Thickness	1-3/4" (44 mm).	
Maximum size	48" x 120" (1 219 mm x 3 048 mm).	
Stiles	7/16" (11 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL).	
Rails	1-7/16" (36 mm) structural composite lumber (SCL).	
Core	Structural composite lumber (SCL) with a density of 38 PCF (609 kg/m ³) bonded to the stiles.	
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/L.	
Face	Wood veneer bonded to a composite crossband.	
Option	20 minute rating neutral or positive pressure. Refer to Fire Door Section of our website for details.	
Lite and louver openings	Wood louvers not permitted in 20 minute labeled doors. Minimum 5" (127 mm) from stiles or rails. Minimum 1-1/2" (38 mm) from cut-out to cut-out. Refer to Option Section of our website for details.	
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.	
Warranty	Life of original installation. See our complete warranty for details.	
Factory Finish	UV Finishing System. Stain and clearcoat finish available Custom color matching available. Seal top and bottom standard. NO VOC .	



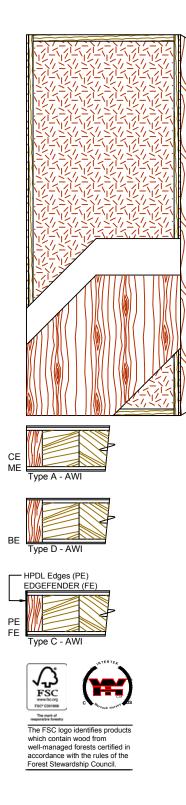


U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com

COMMERCIAL AND ARCHITECTURAL DOORS

Particleboard Core Door (PC)

Standard Series EnviroDesign™ Series 5-PC-CE/ME/BE 5-UFPC-ECE/EME/EBE 5-FSPC-ECE/EME/EBE



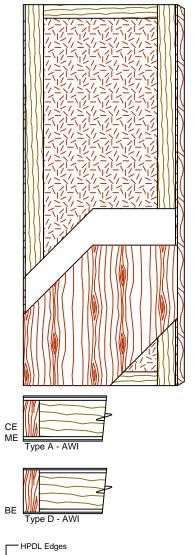
SPECIFICATIONS	DESCRIPTIONS
Туре	Particleboard core (interior use).
In Conformity with Industry Standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM D5456-09 ANSI A208.1
Fire Rating Details	20 minutes neutral or positive pressure Refer to Fire-Rated Options of our Architectural Catalog (e-version) CAN/ULC-S104 NFPA 252 UL 10B neutral pressure UL 10C positive pressure category B UL 10C positive pressure category A in option
Thicknesses	Non-Rated: 1-3/8" (35 mm). 20 Minutes: 1-3/4" (44 mm) to 2-1/4" (57 mm).
Maximum Sizes	Non-Rated: 48" x 120" (1 219 mm x 3 048 mm). Neutral Pressure: 48" x 120" (1 219 mm x 3 048 mm). Positive Pressure: 48" x 108" (1 219 mm x 2 743 mm).
Stiles	CE (Compatible Edge): 7/16" (11 mm) wood (mill option). ME (Matching Edge): 7/16" (11 mm) hardwood. BE (Blind Edge): 7/16" (11 mm) hardwood. Laminated to 1" (25 mm) Structural Composite Lumber (SCL). PE (Plastic Edge): HPDL edges. FE: Lambton Doors' EDGEFENDER: High impact resistant edges.
Rails	1-7/16" (36 mm) Structural Composite Lumber (SCL).
Core	Particleboard core with a density of 28-32 PCF (449-513 kg/m ³) LD-1 bonded to the stiles and rails.
Adhesive	Type I (waterproof); PVA (UF-Free).
Face	Wood veneer, MDO or HPDL laminated to a HDF.
Options	LD-2 core, FSC and ULEF. 15/16" (24 mm) wood (mill option) or hardwood laminated to 1" (25 mm) Structural Composite Lumber (SCL).
Lite and Louver Openings	Wood louvers not permitted in 20 minutes labeled doors. Cut-out must not exceed 40% of door area (LD-1). All models: Minimum 5" (127 mm) from stiles or rails. Non-Rated: Minimum 1-1/2" (38 mm) from cut-out to cut-out. 20 Minutes: Minimum 2-3/4" (70 mm) from cut-out to cut-out.
Notes	Stile and rail dimensions shown are rough sizes, before trimming.
Warranty	Life of original installation.
Factory Finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
Environnemental Benefits	Recycled content. All Series. Regional Materials. According to job site location. FSC Certified Wood. Specify 5-FSPC . Low Emitting Materials, NAF/ULEF. Specify 5-UFPC . EPD - Environmental Product Declaration available. HPD - Health Product Declaration available.
Door weight	Thickness 1-3/4" (44mm) : LD-1= 5,2 lbs/ft ² LD-2= 5,6 lbs/ft ²

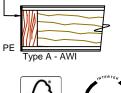


Particleboard Core Door (PC)

COMMERCIAL AND ARCHITECTURAL DODA MANUFACTURER

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com







The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.

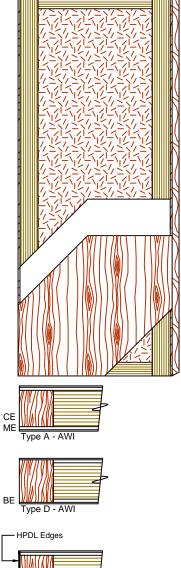
Standard Series	5-8300-CE/ME/BE
EnviroDesign™ Series	5-UF8300-ECE/EME/EBE
	5-FS8300-ECE/EME/EBE

SPECIFICATIONS	DESCRIPTIONS	
Туре	Particleboard core (interior use).	
In Conformity with Industry Standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM D5456-09 ANSI A208.1	
Fire Rating Details	20 minutes neutral or positive pressure Refer to Fire-Rated Options of our Architectural Catalog (e-version) CAN/ULC-S104 NFPA 252 UL 10B neutral pressure UL 10C positive pressure category B UL 10C positive pressure category A in option	
Thicknesses	Non-Rated: 1-3/8" (35 mm). 20 Minute: 1-3/4" (44 mm) to 2-1/4" (57 mm).	
Maximum Sizes	Non-Rated: 48" x 120" (1 219 mm x 3 048 mm). Neutral Pressure: 48" x 120" (1 219 mm x 3 048 mm). Positive Pressure: 48" x 108" (1 219 mm x 2 743 mm).	
Stiles	CE (Compatible Edge): 7/16" (11 mm) wood (mill option). ME (Matching Edge): 7/16" (11 mm) hardwood. BE (Blind Edge): 7/16" (11 mm) hardwood. Laminated to 4" (102 mm) Structural Composite Lumber (SCL).	
Rails	3" (76 mm) Structural Composite Lumber (SCL).	
Core	Particleboard core with a density of 28-32 PCF (449-513 kg/m ³) LD-1 bonded to the stiles and rails.	
Adhesive	Type I (waterproof); PVA (UF-Free); VOC<0.683 g/L.	
Face	Wood veneer, MDO or HPDL laminated to a HDF.	
Options	LD-2 core, FSC and UF-Free. UF-Free faces. 15/16" (24 mm) wood (mill option) or hardwood laminated to 4" (102 mm) Structural Composite Lumber (SCL). PE (Plastic Edge): HPDL edges. Lambton Doors' EDGEFENDER : High impact resistant edges.	
Lite and Louver Openings	Wood louvers not permitted in 20 minutes labeled doors. Cut-out must not exceed 40% of door area (LD-1). All models: Minimum 5" (127 mm) from stiles or rails. Non-Rated: Minimum 1-1/2" (38 mm) from cut-out to cut-out. 20 Minute: Minimum 2-3/4" (70 mm) from cut-out to cut-out.	
Notes	Stile and rail dimensions shown are rough sizes, before trimming.	
Warranty	Life of original installation.	
Factory Finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. No VOC. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.	
LEED ® Credits	MRc4.1, 4.2: Recycled content. All Series. MRc5: Regional Materials. According to job site location. MRc7: FSC Certified Wood. Specify 5-FS8300. IEQ 4.4: Low Emitting Materials, UF-Free. Specify 5-UF8300.	



COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com







The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.

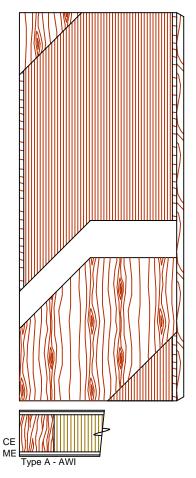
Particleboard Core Door (PC)

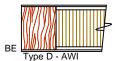
Standard Series	5-8500-CE/ME/BE
EnviroDesign™ Series	5-UF8500-ECE/EME/EBE
EnviroDesign	5-FS8500-ECE/EME/EBE

6	
SPECIFICATIONS	DESCRIPTIONS
Туре	Particleboard core (interior use)
In Conformity with Industry Standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM D5456-09 ANSI A208.1
Fire Rating Details	20 minutes neutral or positive pressure Refer to Fire-Rated Options of our Architectural Catalog (e-version) CAN/ULC-S104 NFPA 252 UL 10B neutral pressure UL 10C positive pressure category B UL 10C positive pressure category A in option
Thicknesses	Non-Rated: 1-3/8" (35 mm). 20 Minute: 1-3/4" (44 mm) to 2-1/4" (57 mm).
Maximum Sizes	Non-Rated: 48" x 120" (1 219 mm x 3 048 mm). Neutral Pressure: 48" x 120" (1 219 mm x 3 048 mm). Positive Pressure: 48" x 108" (1 219 mm x 2 743 mm).
Stiles	CE (Compatible Edge): 15/16" (24 mm) wood (mill option). ME (Matching Edge): 15/16" (24 mm) hardwood. BE (Blind Edge): 15/16" (24 mm) hardwood. Laminated to a piece of 3-3/8" (86 mm) thick. This piece is made of laminated wood veneer strips of 1/8" (3 mm) each. These strips are longitudinally laminated by hot pressing (LVL).
Rails	Piece of 3-3/8" (86 mm) thick. This piece is made of laminated wood veneer strips of 1/8" (3 mm) each. These strips are longitudinally laminated by hot pressing (LVL).
Core	Particleboard core with a density of 28-32 PCF (449-513 kg/m ³) LD-1 bonded to the stiles and rails.
Adhesive	Type I (waterproof); PVA (UF-Free); VOC<0.683 g/L.
Face	Wood veneer, MDO or HPDL laminated to a HDF.
Options	LD-2 core, FSC and UF-Free. UF-Free faces. PE (Plastic Edge): HPDL edges. Lambton Doors' EDGEFENDER : High impact resistant edges.
Lite and Louver Openings	Wood louvers not permitted in 20 minutes labeled doors. Cut-out must not exceed 40% of door area (LD-1). All models: Minimum 5" (127 mm) from stiles or rails. Non-Rated: Minimum 1-1/2" (38 mm) from cut-out to cut-out. 20 Minute: Minimum 2-3/4" (70 mm) from cut-out to cut-out.
Notes	Stile and rail dimensions shown are rough sizes, before trimming.
Warranty	Life of original installation.
Factory Finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. No VOC. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
LEED ® Credits	MRc4.1, 4.2: Recycled content. All Series. MRc5: Regional Materials. According to job site location. MRc7: FSC Certified Wood. Specify 5-FS8500. IEQ 4.4: Low Emitting Materials, UF-Free. Specify 5-UF8500.
	Printed in Canada 2015/12

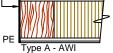


U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com





- HPDL Edges



The FSC logo identifies products which contain wood from well-managed forests certified in **J** FSC

accordance with the rules of the Forest Stewardship Council.



COMMERCIAL AND ARCHITECTURAL DOORS

Laminated Veneer Lumber Core (LVL)

Standard Series EnviroDesign[™] Series

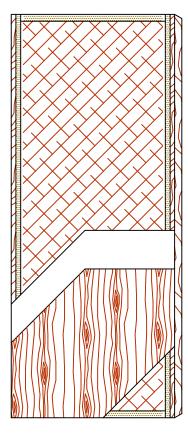
5-LVL-CE/ME/BE 5-UFLVL-ECE/EME/EBE 5-FSLVL-ECE/EME/EBE

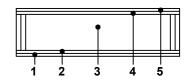
SPECIFICATIONS	DESCRIPTIONS	
Type In Conformity with Industry Standards	Laminated Veneer Lumber Core (interior use). ARCHITECTURAL WOODWORK STANDARDS-ED. 2 W.D.M.A. SERIES I.S.1-A-2013 CSA 0132.2 SERIES 90 ASTM D5456-09	
Thicknesses	1-3/4" (44 mm).	
Maximum Sizes	48" x 120" (1 219 mm x 3 048 mm).	
Stiles	CE (Compatible Edge):15/16" (24 mm) wood (mill option).ME (Matching Edge):15/16" (24 mm) hardwood.BE (Blind Edge):15/16" (24 mm) hardwood.	
Core	Piece of laminated wood veneer strips of 1/8" (3 mm) each. These strips are longitudinally laminated by hot pressing (LVL).	
Adhesive	Type I (waterproof); PVA (UF-Free); VOC<0.683 g/L.	
Face	Wood veneer, MDO or HPDL laminated to a HDF.	
Options	UF-Free faces. PE (Plastic Edge): HPDL edges. Lambton Doors' EDGEFENDER : High impact resistant edges.	
Lite and Louver Openings	Minimum 5" (127 mm) from stiles or rails. Minimum 1-1/2" (38 mm) from cut-out to cut-out.	
Notes	Stile and rail dimensions shown are rough sizes, before trimming.	
Warranty	Life of original installation.	
Factory Finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. No VOC. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.	
LEED ® Credits	 MRc4.1: Recycled content. All Series. MRc5: Regional Materials. According to job site location. MRc7: FSC Certified Wood. Specify 5-FSLVL. IEQ 4.4: Low Emitting Materials, UF-Free. Specify 5-UFLVL. 	



COMMERCIAL AND ARCHITECTUAAL DOOA MANUFACTUAEA

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com





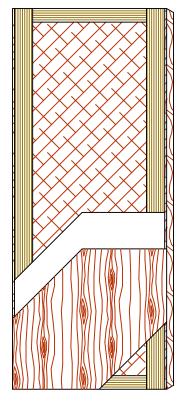


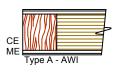
	Hollow core
Compatible edge	5-HC-CE
Matching edge	5-HC-ME

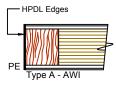
SPECIFICATIONS	DESCRIPTION
Туре	Hollow core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09
Thickness	1-3/8" (35 mm) – 1-3/4" (44 mm).
Maximum size	48" x 108" (1 219 mm x 2 743 mm).
Stiles	 CE: 15/16" (24 mm) wood (mill option) laminated to 1" (25 mm) structural composite lumber (SCL). ME: 15/16" (24 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL).
Rails	1-7/16" (36 mm) structural composite lumber (SCL).
Core	Hollow core (mill option).
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Wood veneer or MDO bonded to a composite crossband.
Options	 4" (102 mm) stiles blocking on lock side. (Blocking material is mill option). Bifold.
Lite and louver openings	Not available.
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Warranty	Life of original installation. See our complete warranty for details.
Factory Finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC .
Environmental Description	Recycled content (LEED MRc4.1, 4.2).
INFORMATION	www.lambtondoors.com



DOOR MANUFACTURER U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com









The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.

COMMERCIAL AND ARCHITECTURAL DOORS

Hollow core

Standard Series EnviroDesign[™] Series

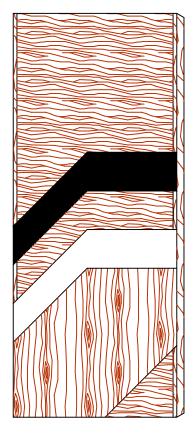
5-HC8500-CE/ME 5-UFHC8500-ECE/EME 5-FSHC8500-ECE/EME

SPECIFICATIONS	DESCRIPTIONS
Туре	Hollow core (interior use).
In Conformity with Industry Standards	ARCHITECTURAL WOODWORK STANDARDS-ED.2 WDMA Series I.S.1-A-2013 ASTM D5456-09
Thicknesses	1-3/8" (35 mm) to 1-3/4" (45 mm).
Maximum Sizes	48" x 108" (1 219 mm x 2 743 mm).
Stiles	CE (Compatible Edge): 15/16" (24 mm) wood (mill option). ME (Matching Edge): 15/16" (24 mm) hardwood. PE (Plastic Edge): HPDL edges. FE (Lambton Doors' EDGEFENDER): High impact resistant edges. Laminated to a piece of 3-3/8" (86 mm) thick. This piece is made of
	laminated to a piece of 3-3/8 (86 min) finck. This piece is made of laminated wood veneer strips of 1/8" (3 mm) each. These strips are longitudinally laminated by hot pressing (LVL).
Rails	Piece of 3-3/8" (86 mm) thick. This piece is made of laminated wood veneer strips of 1/8" (3 mm) each. These strips are longitudinally laminated by hot pressing (LVL).
Core	Hollow core (mill option).
Adhesive	Type I (waterproof); PVA (UF-Free); VOC<0.683 g/L.
Face	Wood veneer, MDO or HPDL laminated to a HDF. UF-Free faces in option.
Lite and Louver Openings	Not available.
Notes	Stile and rail dimensions shown are rough sizes, before trimming.
Warranty	Life of original installation.
Factory Finish	UV Finishing System 9 by AWI. Stain, clearcoat, opaque and primed finish available. Custom color matching available. No VOC. Sealed top and bottom standard. Lambton Doors' ASEPTI : Antimicrobial coated surface in option.
LEED ® Credits	MRc4.1, 4.2: Recycled content. All Series. MRc7: FSC Certified Wood. Specify 5-FSHC8500. IEQ 4.4: Low Emitting Materials, UF-Free. Specify 5-UFHC8500.

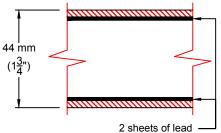


COMMERCIAL AND ARCHITECTUARL DODA MANUFACTUARA U.S.A. : 1 800 363.2

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com



SPECIFICATION EXAMPLE



2 sneets of lead -1/32" (0.08mm)



Lead lined door

Compatible or matching edge

Compatible edge

5-LSL-CE/ME-LL 7-LSL-CE-LL

SPECIFICATIONS	DESCRIPTION
Туре	Laminated strand lumber core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED. 1 W.D.M.A. SERIES I.S.1-A-2004 CSA 0132.2 SERIES 90 ASTM D5456-09
Thickness	1-3/4" (44 mm).
Maximum size	48" x 96" (1 219 mm x 2 438 mm).
Stiles	CE : 7/16" (11 mm) wood (mill option). ME : 7/16" (11 mm) hardwood.
Core	Structural composite lumber (SCL) with a density of 38 PCF (609 kg/m ³) bonded to the stiles.
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/I.
Face	 Wood veneer or MDO bonded to a composite crossband. Hardboard on 7 ply doors.
Options	 [5 or 7-LSL-LL20] 20 minute rating. Neutral pressure, single swing only. Lead thickness available : 1/16" or 1/8" total.
Lite opening	Maximum 1 296 in² (0.836 m²). - Non-rated : wood beads or metal kit model #115-L2. - Rated : metal kit model #115-L1.
Notes	Available only with 2 sheets of lead: $2 \times 1/32" (0,79 \text{ mm}) = 1/16" (1,59 \text{ mm}) \text{ total},$ or $2 \times 1/16" (1,59 \text{ mm}) = 1/8" (3,175 \text{ mm}) \text{ total}.$ Stile dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements. Lambton Doors recommends the use of heavy duty hinges.
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC .
INTEODALATION	

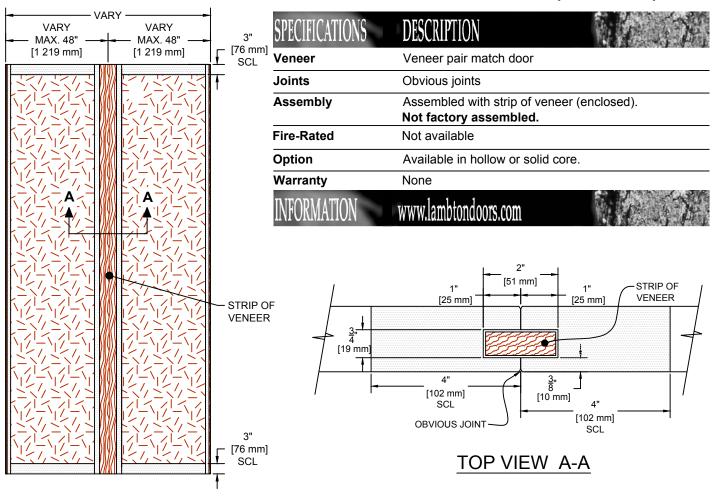
INFORMATION	www.lambtondoors.com	



COMMERCIAL AND AACHITECTUAAL

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com

Doors over 48" (1 219 mm) wide



NOT FACTORY ASSEMBLED Ask for assembling instructions



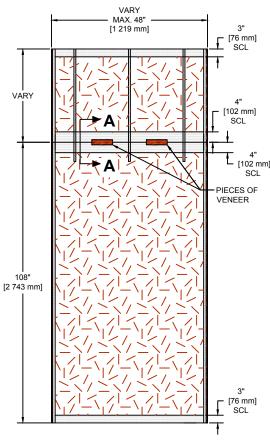
The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.





COMMERCIAL AND AACHITECTUAAL Door manufactuaea

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com



NOT FACTORY ASSEMBLED Ask for assembling instructions



The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.

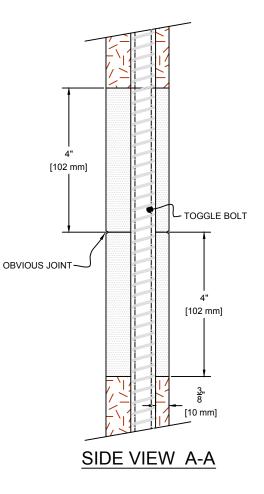


COMMERCIAL AND ARCHITECTURAL DOOR

Doors over 120" (3 048 mm) long

SPECIFICATIONS	DESCRIPTION	Mr . Di
Veneer	Veneer end match	
Joints	Obvious joints	
Assembly	Assembled with pieces of all enclosed. Not factory	
Fire-Rated	Not available	
Option	Available in hollow or solid core.	
Warranty	None	
	1 1. 1	

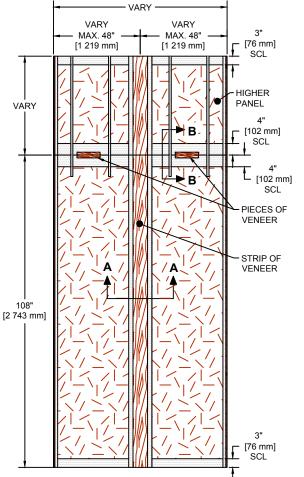
INFORMATION www.lambtondoors.com





COMMERCIAL AND AACHITECTUAAL

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com



NOT FACTORY ASSEMBLED Ask for assembling instructions

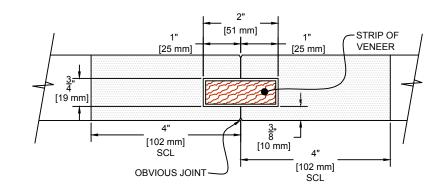


The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.

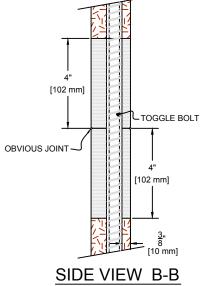


Doors over 48" (1 219 mm) wide and 120" (3 048 mm) long

SPECIFICATIONS	DESCRIPTION	11 2
Veneer	Veneer pair match and end	match door
Joints	Obvious joints	
Assembly	Assembled with strip of ven and toggle bolts, all enclose Not factory assembled.	· •
Fire-Rated	Not available	
Option	Available in hollow or solid of	core.
Warranty	None	
INFORMATION	www.lambtondoors.com	\mathbf{k}_{i}



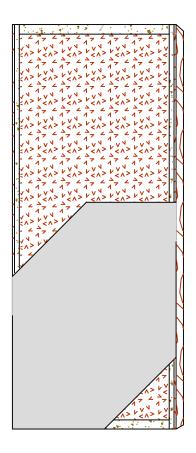


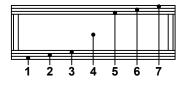




COMMERCIAL AND AACHITECTUAAL DOOA MANUFACTUAEA

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com







Mineral core 45 minute fire rating

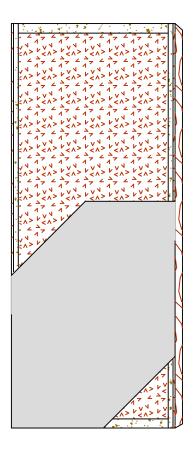
Compatible edge 7-FD45-CE

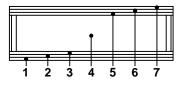
SPECIFICATIONS	DESCRIPTION	
Туре	Mineral core (interior use).	
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004	
Thickness	1-3/4" (44 mm).	
Maximum size	48" x 120" (1 219 mm x 3 048 mm).	
Stiles	7/16" (11 mm) wood (mill option) laminated to 1" (25 mm) proprietary material (FPCM)*.	
Rails	2" (51 mm) proprietary material (FPCM)*.	
Core	Non-combustible mineral core.	
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/L.	
Face	Hardboard.	
Options	 Neutral or positive pressure. Blocking for hardware. Refer to Fire Door Section of our website for details. 	
Lite and louver openings	Cut-out for lite and louver with size limitations. Refer to Option Section of our website for details.	
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.	
Warranty	Life of original installation. See our complete warranty for details.	
Factory Finish	UV Finishing System. White primer available. Seal top and bottom standard. No VOC .	
	* Fire Proof Composite Material	
INFORMATION	www.lambtondoors.com	



COMMERCIAL AND ARCHITECTUAAL DOOA MANUFACTUAEA

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com







Mineral core 60 and 90 minute fire rating

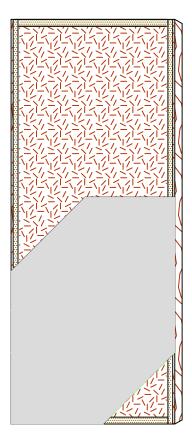
Compatible edge 7-FD60/90-CE

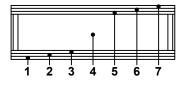
SPECIFICATIONS	DESCRIPTION
Туре	Mineral core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004
Thickness	1-3/4" (44 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).
Stiles	7/16" (11 mm) wood (mill option) laminated to 1" (25 mm) proprietary material (FPCM)*.
Top Rail	1-1/2" (38 mm) proprietary materials (FPCM)*.
Bottom Rail	1-1/2" (38 mm) proprietary materials (FPCM)*.
Core	Non-combustible mineral core.
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Hardboard.
Options	 Neutral or positive pressure. Blocking for hardware. Refer to Fire Door Section of our website for details.
Lite and louver openings	Cut-out for lite and louver with size limitations. Refer to Option Section of our website for details.
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Warranty	Life of original installation. See our complete warranty for details.
Factory Finish	UV Finishing System. White primer available. Seal top and bottom standard. No VOC .
	* Fire Proof Composite Material
INFORMATION	www.lambtondoors.com



COMMERCIAL AND AACHITECTUAAL Door Manufactuaea

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com







Particleboard Core

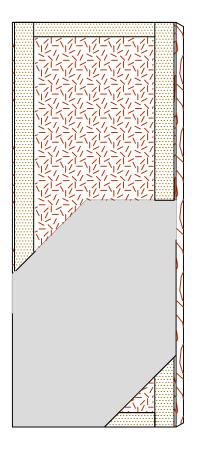
Compatible edge 7-PC-CE

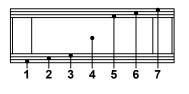
SPECIFICATIONS	DESCRIPTION
Туре	Particleboard core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09 ANSI A208.1
Thickness	1-3/8" (35 mm) – 1-3/4" (44 mm). 2" (51 mm) – 2-1/4" (57 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).
Stiles	7/16" (11 mm) wood (mill option) laminated to 1" (25 mm) structural composite lumber (SCL).
Rails	1-7/16" (37 mm) structural composite lumber (SCL).
Core	Particleboard core with a density of 28-32 PCF (449-513 kg/m ³) LD-1, bonded to the stiles and rails.
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Hardboard.
Options	 LD-2 core. [Door 1-3/4"- (44 mm)] 20 minute rating neutral or positive pressure. Refer to Fire Door Section of our website for details. 15/16" (24 mm) wood (mill option) laminated to 1" (25 mm) structural composite lumber (SCL). Bifold.
Lite and louver openings	Wood louvers not permitted in 20 minute labeled doors. Cut-out must not exceed 40% of door area. Minimum 5" (127 mm) from stiles or rails. Minimum 1-1/2" (38 mm) from cut-out to cut-out. Refer to Option Section of our website for details.
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Warranty	Life of original installation. See our complete warranty for details.
Factory Finish	UV Finishing System. White primer available. Seal top and bottom standard. No VOC .
Environmental Description	Recycled content (LEED MRc4.1, 4.2).
INFORMATION	www.lambtondoors.com



COMMERCIAL AND AACHITECTUAAL DOOR MANUFACTUAEA

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com







Particleboard Core

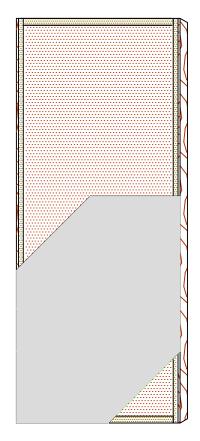
Compatible edge 7-8300-CE

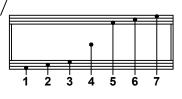
SPECIFICATIONS	DESCRIPTION
Туре	Particleboard core (interior use).
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09 ANSI A208.1
Thickness	1-3/4" (44 mm).
Maximum size	48" x 120" (1 219 mm x 3 048 mm).
Stiles	7/16" (11 mm) wood (mill option) laminated to 4" (102 mm) structural composite lumber (SCL).
Rails	3" (76 mm) structural composite lumber (SCL).
Core	Particleboard core with a density of 28-32 PCF (449-513 kg/m ³) LD-1, bonded to the stiles and rails.
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/L.
Face	Hardboard.
Options	 LD-2 core. 20 minute rating neutral or positive pressure. Refer to Fire Door Section of our website for details. 15/16" (24 mm) wood (mill option)laminated to 4" (102 mm) structural composite lumber (SCL).
Lite and louver openings	Wood louvers not permitted in 20 minute labeled doors. Minimum 5" (127 mm) from stiles or rails. Minimum 1-1/2" (38 mm) from cut-out to cut-out. Refer to Option Section of our website for details.
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.
Warranty	Life of original installation. See our complete warranty for details.
Factory Finish	UV Finishing System. White primer available. Seal top and bottom standard. No VOC .
Environmental Description	Recycled content (LEED MRc4.1, 4.2).
INFORMATION	www.lambtondoors.com



COMMERCIAL AND AACHITECTUAAL Dooa manufactuaea

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com







Laminated strand lumber core

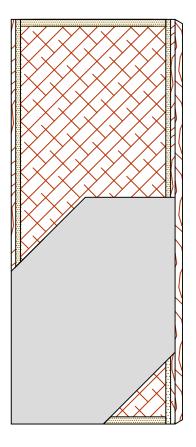
Compatible edge 7-LSL-CE

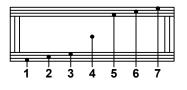
SPECIFICATIONS	DESCRIPTION	
Туре	Laminated strand lumber core (interior use).	
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09	
Thickness	1-3/8" (35 mm) – 1-3/4" (44 mm). 2" (51 mm) – 2-1/4" (57 mm).	
Maximum size	48" x 120" (1 219 mm x 3 048 mm).	
Stiles	7/16" (11 mm) wood (mill option) laminated to 1" (25 mm) structural composite lumber (SCL).	
Rails	1-7/16" (37 mm) structural composite lumber (SCL).	
Core	Structural composite lumber (SCL) with a density of 38 PCF (609 kg/m ³) bonded to the stiles.	
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/L.	
Face	Hardboard.	
Options	 [Door 1-3/4"- (44 mm)] 20 minute rating neutral or positive pressure. Refer to Fire Door Section of our website for details. 15/16" (24 mm) wood (mill option) laminated to 1" (25 mm) structural composite lumber (SCL). 	
Lite and louver openings	Wood louvers not permitted in 20 minute labeled doors. Minimum 5" (127 mm) from stiles or rails. Minimum 1-1/2" (38 mm) from cut-out to cut-out. Refer to Option Section of our website for details.	
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.	
Warranty	Life of original installation. See our complete warranty for details.	
Factory Finish	UV Finishing System. White primer available. Seal top and bottom standard. No VOC.	
INFORMATION	www.lambtondoors.com	



COMMERCIAL AND ARCHITECTUARL DODA MANUFACTUARA

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com







Hollow core

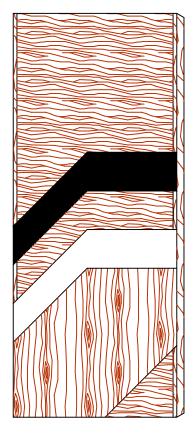
Compatible edge 7-HC-CE

SPECIFICATIONS	DESCRIPTION	
Туре	Hollow core (interior use).	
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S.1-A-2004 ASTM D5456-09	
Thickness	1-3/8" (35 mm) – 1-3/4" (44 mm).	
Maximum size	48" x 108" (1 219 mm x 2 743 mm).	
Stiles	15/16" (24 mm) wood (mill option) laminated to 1" (25 mm) structural composite lumber (SCL).	
Rails	1-7/16" (36 mm) structural composite lumber (SCL).	
Core	Hollow core (mill option).	
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/L.	
Face	Hardboard.	
Options	 4" (102 mm) stiles blocking on lock side. (Blocking material is mill option). Bifold. 	
Lite and louver openings	Not available.	
Notes	Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements.	
Warranty	Life of original installation. See our complete warranty for details.	
Factory Finish	UV Finishing System. White primer available. Seal top and bottom standard. No VOC.	
Environmental Description	Recycled content (LEED MRc4.1, 4.2).	
INFORMATION	www.lambtondoors.com	

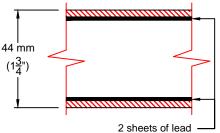


COMMERCIAL AND ARCHITECTUARL DODA MANUFACTUARA U.S.A. : 1 800 363.2

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com



SPECIFICATION EXAMPLE



2 sheets of lead -1/32" (0.08mm)



Lead lined door

Compatible or matching edge

Compatible edge

5-LSL-CE/ME-LL 7-LSL-CE-LL

SPECIFICATIONS	DESCRIPTION	
Туре	Laminated strand lumber core (interior use).	
In conformity with industry standards	ARCHITECTURAL WOODWORK STANDARDS-ED. 1 W.D.M.A. SERIES I.S.1-A-2004 CSA 0132.2 SERIES 90 ASTM D5456-09	
Thickness	1-3/4" (44 mm).	
Maximum size	48" x 96" (1 219 mm x 2 438 mm).	
Stiles	CE : 7/16" (11 mm) wood (mill option). ME : 7/16" (11 mm) hardwood.	
Core	Structural composite lumber (SCL) with a density of 38 PCF (609 kg/m ³) bonded to the stiles.	
Adhesive	Type I (waterproof); PVA (no urea formaldehyde); VOC<0.683 g/I.	
Face	 Wood veneer or MDO bonded to a composite crossband. Hardboard on 7 ply doors. 	
Options	 [5 or 7-LSL-LL20] 20 minute rating. Neutral pressure, single swing only. Lead thickness available : 1/16" or 1/8" total. 	
Lite opening	Maximum 1 296 in ² (0.836 m ²). - Non-rated : wood beads or metal kit model #115-L2. - Rated : metal kit model #115-L1.	
Notes	Available only with 2 sheets of lead: $2 \times 1/32" (0,79 \text{ mm}) = 1/16" (1,59 \text{ mm}) \text{ total},$ or $2 \times 1/16" (1,59 \text{ mm}) = 1/8" (3,175 \text{ mm}) \text{ total}.$ Stile dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements. Lambton Doors recommends the use of heavy duty hinges.	
Warranty	Life of original installation. See our complete warranty for details.	
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC .	
	timing lamblandoorg open	

INFORMATION	www.lambtondoors.com	Mr. S.F.
-------------	----------------------	----------



TECHNOLOGY DESIGN ENVIRONMENT

C. Français

Visit our Website

www.lambtondoors.com



Subscribe to our Newsletter, click here Canada USA



Watch our **Corporate Video**



AMBTON

2216-11-16-10-16,21 GOING FORWARD (1) LAMBTON DOORS NEW LAMETON GOORS sourceas as NEW CORPORATE LOOK and

over the next year we will be gradually updating our Manture with the new logistype and corporate image. Our inspiration in developing this new CONTEMPORARY AND MODERN (suite)

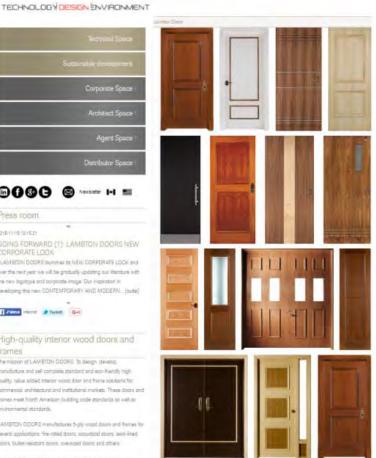
Talma insons @ Tweet. Get

High-quality interior wood doors and frames

The mission of LAMSTON COORS. Th design, develop, manufacture and sell complete standard and eco-friendly high quality, value added interior wood door and frame solutions for operation architectural and institutional markets. These doors and frames meet North American building code grandants as well as environmental standarde.

LAMBTON DDDRS menufactures 5-ply wood doors and frames for several applications fire-rated doors accurtized doors land-lined doors, builet-realizant doors, oversized doors and others.

Ar LAMETON DOORS, we believe in a transformed built

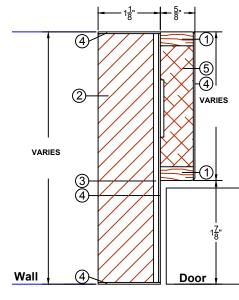




COMMERCIAL AND ARCHITECTURAL JAMBS

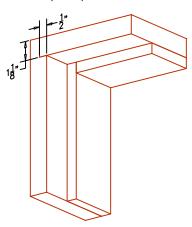
COMMERCIAL AND AACHITECTUAAL DOOR MANUFACTURER

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com



① Wood

- ② Structural Composite Lumber (SCL)
- ③ Crossband
- (4) Veneer
- (5) Medium Density Fiberboard (MDF)



Lambton 20 minute jamb Rabbet Jamb RJ-20

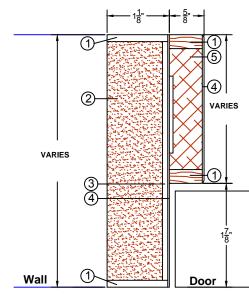
SPECIFICATIONS	DESCRIPTION
Wall thickness	Minimum 3-3/4" (95 mm) Rated wall as per code requirements
Wood casing	Standard profiles available. Min 5/16" x 1-5/8" (8mm x 41mm).
Conforms to	Conforms for use with Positive and Negative Pressure firedoors.
Maximum opening	Single: 48" x 108" (1 219 mm x 2 743 mm) Pair: 96" x 108" (2 438 mm x 2 743 mm)
Assembly	 Dado's pre-drilled and countersunk for #8 wood screw. Screws supplied by others. Rabbet assembly. Miter assembly (45°) also available.
Shipping	Knock down
Wrapping	Bundle wrapped
Suggested rough opening dimensions	For single or pair doors After Finished Floor Width : Interior opening of frame + 2-3/4" (70 mm) Height : Interior opening of frame + 1-3/8" (35 mm) Ex. For a 36" x 84" interior opening (914 x 2 134 mm), rough opening should be : Width : 36" + 2-3/4" = 38-3/4" (984 mm) Height : 84" + 1-3/8" = 85-3/8" (2 169 mm)
Notes	 Dimensions on drawing are finished size Refer to <i>Technical Space</i> of our Website for Installation instructions UF free Available FSC Certified
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available No VOC .
Environmental description	Low Emitting Materials (LEED EQc4.1, EQc4.2, EQc4.4) FSC Certified Wood (LEED MRc7). Available on request
INFORMATION	www.lambtondoors.com



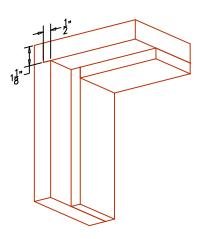
COMMERCIAL AND ARCHITECTURAL JAMBS

COMMERCIAL AND AACHITECTUAAL DOOR MANUFACTURER

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com



- (1) Wood
- ② Fire Proof Composite Material (FPCM)
- ③ Crossband
- (4) Veneer
- (5) Medium Density Fiberboard (MDF)



Lambton 45/60 minute jamb Rabbet Jamb RJ-45/60

SPECIFICATIONS	DESCRIPTION
Wall thickness	Minimum 5" (127 mm) Rated wall as per code requirements
Wood casing	Standard profiles available. Min 5/16" x 1-5/8" (8mm x 41mm).
Conforms to	Conforms for use with Category A or B Positive and Neutral Pressure firedoors.
Maximum opening	Single: 48" x 108" (1 219 mm x 2 743 mm) Pair: 96" x 108" (2 438 mm x 2 743 mm)
Assembly	 Dado's pre-drilled and countersunk for #8 wood screw. Screws supplied by others. Rabbet assembly. Miter assembly (45°) also available.
Shipping	Knock down
Wrapping	Bundle wrapped
Suggested rough opening dimensions	For single or pair doors After Finished Floor Width : Interior opening of frame + 2-3/4" (70 mm) Height : Interior opening of frame + 1-3/8" (35 mm)
	Ex. For a 36" x 84" interior opening (914 x 2 134 mm), rough opening should be : Width : 36" + 2-3/4" = 38-3/4" (984 mm) Height : 84" + 1-3/8" = 85-3/8" (2 169 mm)
Notes	 Dimensions on drawing are finished size Refer to <i>Technical Space</i> of our Website for Installation instructions UF free Available FSC Certified
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available No VOC .
Environmental description	Low Emitting Materials (LEED EQc4.1, EQc4.2, EQc4.4) FSC Certified Wood (LEED MRc7). Available on request
INFORMATION	www.lambtondoors.com
	The start of starts and the start and the st

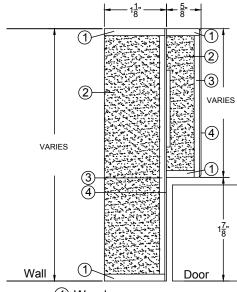


TECHNOLOGY DESIGN ENVIRONMENT

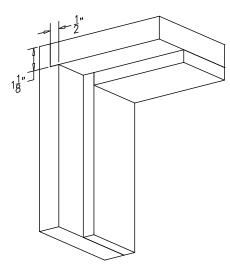
U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com

COMMERCIAL AND ARCHITECTURAL JAMBS

Lambton 90 minute jamb Rabbet Jamb RJ-90



- 1 Wood
- ② Fire Proof Composite Material (FPCM)
- ③ Crossband
- (4) Veneer



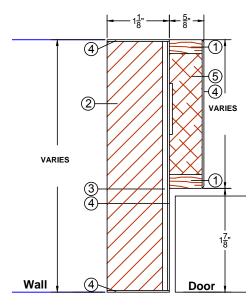
SPECIFICATIONS	DESCRIPTIONS
Wall thickness	Minimum 5" (127 mm). Rated wall as per code requirements.
Wood casing	Standard profiles available. Minimum 5/16" x 1-5/8" (8 mm x 41 mm).
Conforms to	Conforms for use with Category A or B Positive and Neutral Pressure firedoors.
Maximum opening	Single: 48" x 96" (1 219 mm x 2 438 mm) Pair: 96" x 96" (2 438 mm x 2 438 mm)
Assembly	 Dado's pre-drilled and countersunk for #8 wood screw. Screws supplied by others. Rabbet assembly. Miter assembly (45°) also available.
Shipping	Knock down
Wrapping	Bundle wrapped
Suggested rough opening dimensions	For single or pair doors After Finished Floor Width : Interior opening of frame + 2-3/4" (70 mm) Height : Interior opening of frame + 1-3/8" (35 mm) Ex. For a 36" x 84" interior opening (914 x 2 134 mm), rough opening should be : Width : 36" + 2-3/4" = 38-3/4" (984 mm) Height : 84" + 1-3/8" = 85-3/8" (2 169 mm)
Notes	 Dimensions on drawing are finished size. Refer to <i>Technical Space</i> of our Website for Installation instructions. UF free. Available FSC Certified.
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available No VOC .
Environmental description	Low Emitting Materials (LEED EQc4.1, EQc4.2, EQc4.4) FSC Certified Wood (LEED MRc7) available on request.



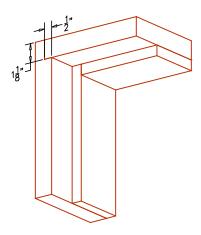
The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.



COMMERCIAL AND ARCHITECTUARL DOIN MANUFACTURER U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com



- ① Wood
- (2) Structural Composite Lumber (SCL)
- 3 Crossband
- (4) Veneer
- (5) Medium Density Fiberboard (MDF)



COMMERCIAL AND ARCHITECTURAL JAMBS

Lambton non-rated jamb Rabbet Jamb RJ-00

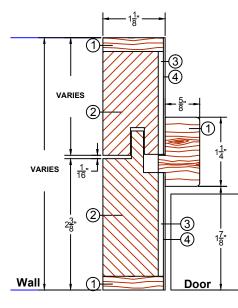
SPECIFICATIONS	DESCRIPTION
Wall thickness	Minimum 3-5/8" (92 mm)
Wood casing	Standard profiles available
Maximum opening	Single: 48" x 120" (1 219 mm x 3 048 mm) Pair: 96" x 120" (2 438 mm x 3 048 mm)
Assembly	 Dado's pre-drilled and countersunk for #8 wood screw. Screws supplied by others. Rabbet assembly. Miter assembly (45°) also available.
Shipping	Knock down
Wrapping	Bundle wrapped
Suggested rough opening dimensions	For single or pair doors After Finished Floor Width : Interior opening of frame + 2-3/4" (70 mm) Height : Interior opening of frame + 1-3/8" (35 mm)
	Ex. For a 36" x 84" interior opening (914 x 2 134 mm), rough opening should be : Width : 36" + 2-3/4" = 38-3/4" (984 mm) Height : 84" + 1-3/8" = 85-3/8" (2 169 mm)
Notes	 Dimensions on drawing are finished size Refer to <i>Technical Space</i> of our Website for Installation instructions UF free Available FSC Certified
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available No VOC .
Environmental description	Low Emitting Materials (LEED EQc4.1, EQc4.2, EQc4.4) FSC Certified Wood (LEED MRc7). Available on request
INFORMATION	www.lambtondoors.com





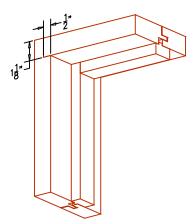
COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com



(1) Wood

- (2) Structural Composite Lumber (SCL)
- ③ Crossband
- (4) Veneer



COMMERCIAL AND ARCHITECTURAL JAMBS

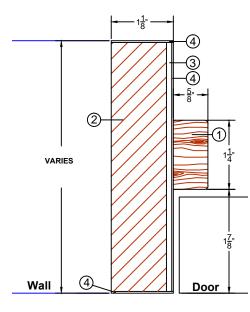
Lambton non-rated jamb Split Jamb SJ-00

SPECIFICATIONS	DESCRIPTION
Wall thickness	Minimum 3-5/8" (92 mm) + 1/4" (6 mm) adjustment.
Wood casing	Standard profiles available.
Maximum opening	Single: 48" x 120" (1 219 mm x 3 048 mm) Pair: 96" x 120" (2 438 mm x 3 048 mm)
Assembly	 Dado's pre-drilled and countersunk for #8 wood screw. Screws supplied by others. Rabbet assembly. Miter assembly (45°) also available.
Shipping	Knock down
Wrapping	Bundle wrapped
Suggested rough opening dimensions	For single or pair doors After Finished Floor Width : Interior opening of frame + 2-3/4" (70 mm) Height : Interior opening of frame + 1-3/8" (35 mm) Ex. For a 36" x 84" interior opening (914 x 2 134 mm), rough opening should be : Width : 36" + 2-3/4" = 38-3/4" (984 mm) Height : 84" + 1-3/8" = 85-3/8" (2 169 mm)
Notes	 Dimensions on drawing are finished size Refer to <i>Technical Space</i> of our Website for Installation instructions UF free Available FSC Certified
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available No VOC .
Environmental description	Low Emitting Materials (LEED EQc4.1, EQc4.2, EQc4.4 FSC Certified Wood (LEED MRc7). Available on request
INFORMATION	www.lambtondoors.com
	FSC Without Brocker



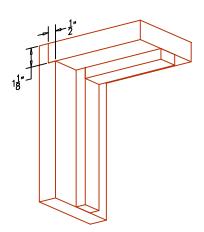
COMMERCIAL AND ARCHITECTURAL DODA MANUFACTURER

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com



① Wood

- (2) Structural Composite Lumber (SCL)
- ③ Crossband
- (4) Veneer



COMMERCIAL AND ARCHITECTURAL JAMBS

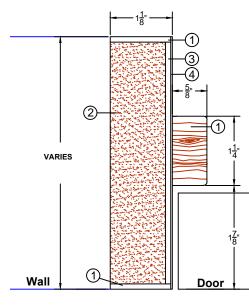
Lambton 20 minute jamb T Jamb TJ-20

SPECIFICATIONS	DESCRIPTION
Wall thickness	Minimum 3-3/4" (95 mm)
	Rated wall as per code requirements
Wood casing	Standard profiles available.
	Min 5/16" x 1-5/8" (8mm x 41mm).
Conforms to	Conforms for use with Positive and Neutral Pressure firedoors.
Maximum	Single: 48" x 108" (1 219 mm x 2 743 mm)
opening	Pair: 96" x 108" (2 438 mm x 2 743 mm)
Assembly	•Dado's pre-drilled and countersunk for #8 wood screw. Screws supplied by others.
	•Rabbet assembly. Miter assembly (45°) also available.
Shipping	Knock down
Wrapping	Bundle wrapped
Suggested	For single or pair doors
rough opening dimensions	After Finished Floor Width : Interior opening of frame + 2-3/4" (70 mm) Height : Interior opening of frame + 1-3/8" (35 mm)
	Ex. For a 36" x 84" interior opening (914 x 2 134 mm), rough opening should be : Width : 36" + 2-3/4" = 38-3/4" (984 mm) Height : 84" + 1-3/8" = 85-3/8" (2 169 mm)
Notes	 Dimensions on drawing are finished size Refer to <i>Technical Space</i> of our Website for Installation instructions UF free
	Available FSC Certified
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available No VOC .
Environmental	Low Emitting Materials (LEED EQc4.1, EQc4.2, EQc4.4)
description	FSC Certified Wood (LEED MRc7). Available on request
INFORMATION	www.lambtondoors.com
MEMBER CHARACTER S	With the second



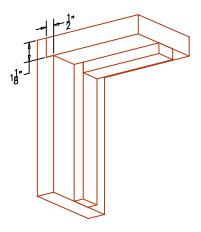
COMMERCIAL AND ARCHITECTURAL DODA MANUFACTUAEA U.S.A. : 1 800 363.22

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com



① Wood

- (2) Fire Proof Composite Material (FPCM)
- ③ Crossband
- (4) Veneer



COMMERCIAL AND ARCHITECTURAL JAMBS

Lambton 45/60 minute jamb T Jamb TJ-45/60

SPECIFICATIONS	DESCRIPTION
Wall thickness	Minimum 5" (127 mm) Rated wall as per code requirements
Wood casing	Standard profiles available. Min 5/16" x 1-5/8" (8mm x 41mm).
Conforms to	Conforms for use with Category A or B Positive and Neutral Pressure firedoors.
Maximum opening	Single: 48" x 108" (1 219 mm x 2 743 mm) Pair: 96" x 108" (2 438 mm x 2 743 mm)
Assembly	 Dado's pre-drilled and countersunk for #8 wood screw. Screws supplied by others. Rabbet assembly. Miter assembly (45°) also available.
Shipping	Knock down
Wrapping	Bundle wrapped
Suggested rough opening dimensions	For single or pair doors After Finished Floor Width : Interior opening of frame + 2-3/4" (70 mm) Height : Interior opening of frame + 1-3/8" (35 mm) Ex. For a 36" x 84" interior opening (914 x 2 134 mm), rough opening should be : Width : 36" + 2-3/4" = 38-3/4" (984 mm) Height : 84" + 1-3/8" = 85-3/8" (2 169 mm)
Notes	 Dimensions on drawing are finished size Refer to <i>Technical Space</i> of our Website for Installation instructions UF free Available FSC Certified
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available No VOC .
Environmental description	Low Emitting Materials (LEED EQc4.1, EQc4.2, EQc4.4) FSC Certified Wood (LEED MRc7). Available on request.
INFORMATION	www.lambtondoors.com
	Image: Specification of the state sta

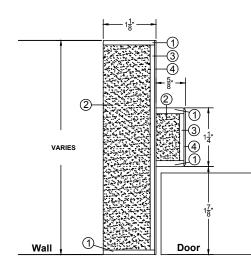


TECHNOLOGY DESIGN ENVIRONMENT

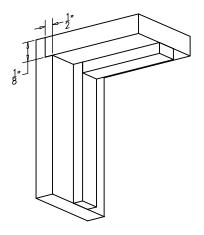
U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com

COMMERCIAL AND ARCHITECTURAL JAMBS

Lambton 90 minute jamb T Jamb TJ-90



- 1 Wood
- (2) Fire Proof Composite Material (FPCM)
- 3 Crossband
- (4) Veneer



SPECIFICATIONS	DESCRIPTIONS
Wall thickness	Minimum 5" (127 mm). Rated wall as per code requirements.
Wood casing	Standard profiles available. Min 5/16" x 1-5/8" (8 mm x 41 mm).
Conforms to	Conforms for use with Category A or B Positive and Neutral Pressure firedoors.
Maximum opening	Single: 48" x 96" (1 219 mm x 2 438 mm) Pair: 96" x 96" (2 438 mm x 2 438 mm)
Assembly	 Dado's pre-drilled and countersunk for #8 wood screw. Screws supplied by others. Rabbet assembly. Miter assembly (45°) also available.
Shipping	Knock down
Wrapping	Bundle wrapped
Suggested rough opening dimensions	For single or pair doors After Finished Floor Width : Interior opening of frame + 2-3/4" (70 mm) Height : Interior opening of frame + 1-3/8" (35 mm) Ex. For a 36" x 84" interior opening (914 x 2 134 mm), rough opening should be : Width : 36" + 2-3/4" = 38-3/4" (984 mm) Height : 84" + 1-3/8" = 85-3/8" (2 169 mm)
Notes	 Dimensions on drawing are finished size. Refer to <i>Technical Space</i> of our Website for Installation instructions. UF free. Available FSC Certified.
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available No VOC .
Environmental description	Low Emitting Materials (LEED EQc4.1, EQc4.2, EQc4.4) FSC Certified Wood (LEED MRc7) available on request.

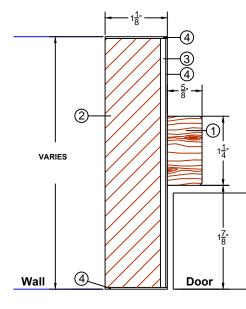


The FSC logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council.



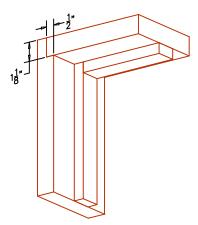
COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com



① Wood

- (2) Structural Composite Lumber (SCL)
- ③ Crossband
- (4) Veneer



COMMERCIAL AND ARCHITECTURAL JAMBS

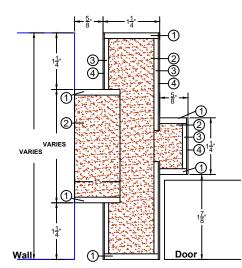
Lambton non-rated jamb T Jamb TJ-00

SPECIFICATIONS	DESCRIPTION
Wall thickness	Minimum 3-5/8" (92 mm)
Wood casing	Standard profiles available
Maximum opening	Single: 48" x 120" (1 219 mm x 3 048 mm) Pair: 96" x 120" (2 438 mm x 3 048 mm)
Assembly	 Dado's pre-drilled and countersunk for #8 wood screw. Screws supplied by others. Rabbet assembly. Miter assembly (45°) also available.
Shipping	Knock down
Wrapping	Bundle wrapped
Suggested rough opening dimensions	For single or pair doors After Finished Floor Width : Interior opening of frame + 2-3/4" (70 mm) Height : Interior opening of frame + 1-3/8" (35 mm) Ex. For a 36" x 84" interior opening (914 x 2 134 mm), rough opening should be : Width : 36" + 2-3/4" = 38-3/4" (984 mm) Height : 84" + 1-3/8" = 85-3/8" (2 169 mm)
Notes	 Dimensions on drawing are finished size Refer to <i>Technical Space</i> of our Website for Installation instructions UF free Available FSC Certified
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available No VOC .
Environmental description	Low Emitting Materials (LEED EQc4.1, EQc4.2, EQc4.4) FSC Certified Wood (LEED MRc7). Available on request
INFORMATION	www.lambtondoors.com
	FSC Brandware Transfordare The market ward of the formation of the formati



COMMERCIAL AND ARCHITECTURAL DODA MANUFACTURER

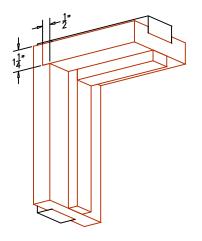
U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com



① Wood

- ② Fire Proof Composition Material (FPCM)
- 3 Crossband

(4) Veneer



COMMERCIAL AND ARCHITECTURAL JAMBS

Lambton 60 minute jamb Casing Free Jamb CFJ-60

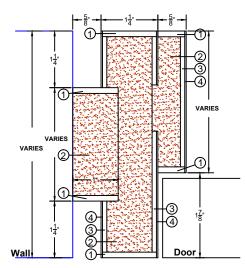
SPECIFICATIONS	DESCRIPTION
Wall thickness	Minimum 5" (127 mm)
Wood casing	No wood casing required at installation with this jamb.
Maximum opening	Single: 48" x 96" (1 219 mm x 2 438 mm) Pair: 96" x 96" (2 438 mm x 2 438 mm)
Assembly	 Dado's pre-drilled and countersunk for #8 wood screw. Screws supplied by others. Rabbet assembly. Miter assembly (45°) also available.
Shipping	Knock down
Wrapping	Bundle wrapped
Suggested rough opening dimensions	For single or pair doors After Finished Floor Width : Interior opening of frame + $3-3/4$ " (95 mm) Height : Interior opening of frame + $1-7/8$ " (48 mm) Ex. For a 36" x 84" interior opening (914 x 2 134 mm), rough opening should be : Width : 36" + $3-3/4$ " = $39-3/4$ " (1010 mm) Height : 84" + $1-7/8$ " = $85-7/8$ " (2181 mm)
Notes	 Dimensions on drawing are finished size Refer to <i>Technical Space</i> of our Website for Installation instructions UF free Available FSC Certified
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. No VOC .
Environmental description	Low Emitting Materials (LEED EQc4.1, EQc4.2, EQc4.4). FSC Certified Wood (LEED MRc7). Available on request.





COMMERCIAL AND AACHITECTURAL DODA MANUFACTURER

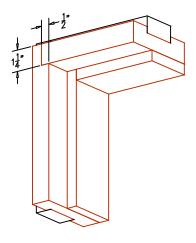
U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com



① Wood

- ② Fire Proof Composition Material (FPCM)
- 3 Crossband

(4) Veneer



COMMERCIAL AND ARCHITECTURAL JAMBS

Lambton 60 minute jamb Casing Free Rabbet Jamb CFRJ-60

SPECIFICATIONS	DESCRIPTION
Wall thickness	Minimum 5" (127 mm)
Wood casing	No wood casing required at installation with this jamb.
Maximum opening	Single: 48" x 96" (1 219 mm x 2 438 mm) Pair: 96" x 96" (2 438 mm x 2 438 mm)
Assembly	 Dado's pre-drilled and countersunk for #8 wood screw. Screws supplied by others. Rabbet assembly. Miter assembly (45°) also available.
Shipping	Knock down
Wrapping	Bundle wrapped
Suggested rough opening dimensions	For single or pair doors After Finished Floor Width : Interior opening of frame + 3-3/4" (95 mm) Height : Interior opening of frame + 1-7/8" (48 mm) Ex. For a 36" x 84" interior opening (914 x 2 134 mm), rough opening should be : Width : 36" + 3-3/4" = 39-3/4" (1010 mm) Height : 84" + 1-7/8" = 85-7/8" (2181 mm)
Notes	 Dimensions on drawing are finished size Refer to <i>Technical Space</i> of our Website for Installation instructions UF free Available FSC Certified
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. No VOC .
Environmental description	Low Emitting Materials (LEED EQc4.1, EQc4.2, EQc4.4 FSC Certified Wood (LEED MRc7). Available on request
INFORMATION	www.lambtondoors.com

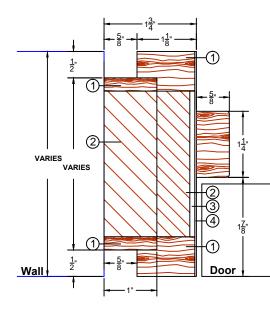




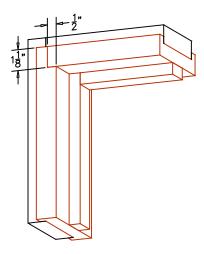
COMMERCIAL AND ARCHITECTURAL JAMBS

COMMERCIAL AND AACHITECTUAAL DOOR MANUFACTUAEA

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com



- (1) Wood
- ② Structural Composite Lumber (SCL)
- 3 Crossband
- (4) Veneer



Lambton non-rated jamb Casing Free Jamb CFJ-00

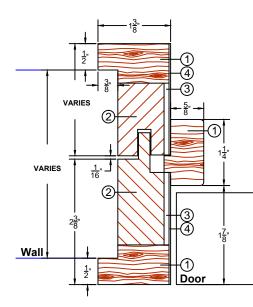
SPECIFICATIONS	DESCRIPTION
OI LCIIICAIIOND	DEUCKII HUN
Wall thickness	Minimum 3-5/8" (92 mm)
Wood casing	No wood casing required at installation with this jamb.
Maximum opening	Single: 48" x 120" (1 219 mm x 3 048 mm) Pair: 96" x 120" (2 438 mm x 3 048 mm)
Assembly	 Dado's pre-drilled and countersunk for #8 wood screw. Screws supplied by others. Rabbet assembly. Miter assembly (45°) also available.
Shipping	Knock down
Wrapping	Bundle wrapped
Suggested rough opening dimensions	For single or pair doors After Finished Floor Width : Interior opening of frame + 3-1/2" (89 mm) Height : Interior opening of frame + 1-3/4" (44 mm) Ex. For a 36" x 84" interior opening (914 x 2 134 mm), rough opening should be : Width : 36" + 3-1/2" = 39-1/2" (1003 mm) Height : 84" + 1-3/4" = 85-3/4" (2178 mm)
Notes	 Dimensions on drawing are finished size Refer to <i>Technical Space</i> of our Website for Installation instructions UF free Available FSC Certified
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. No VOC .
Environmental description	Low Emitting Materials (LEED EQc4.1, EQc4.2, EQc4.4 FSC Certified Wood (LEED MRc7). Available on reques
INFORMATION	www.lambtondoors.com



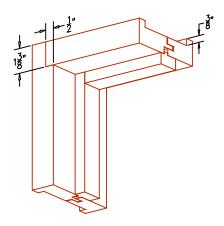


COMMERCIAL AND AACHITECTUAAL DOOR MANUFACTUAEA

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com



- (1) Wood
- ② Structural Composite Lumber (SCL)
- ③ Crossband
- (4) Veneer



COMMERCIAL AND ARCHITECTURAL JAMBS

Lambton non-rated jamb Split Jamb with Casing SJC-00

SPECIFICATIONS	DESCRIPTION
Wall thickness	Minimum 3-5/8" (92 mm) + 1/4" (6 mm) adjustment.
Wood casing	No wood casing required at installation with this jamb.
Maximum opening	Single: 48" x 120" (1 219 mm x 3 048 mm) Pair: 96" x 120" (2 438 mm x 3 048 mm)
Assembly	 Dado's pre-drilled and countersunk for #8 wood screw. Screws supplied by others. Rabbet assembly. Miter assembly (45°) also available.
Shipping	Knock down
Wrapping	Bundle wrapped
Suggested rough opening dimensions	For single or pair doors After Finished Floor Width : Interior opening of frame + 2-1/4" (57 mm) Height : Interior opening of frame + 1-1/8" (29 mm) Ex. For a 36" x 84" interior opening (914 x 2 134 mm), rough opening should be : Width : 36" + 2-1/4" = 38-1/4" (972 mm) Height : 84" + 1-1/8" = 85-1/8" (2162 mm)
Notes	 Dimensions on drawing are finished size Refer to <i>Technical Space</i> of our Website for Installation instructions UF free Available FSC Certified
Warranty	Life of original installation. See our complete warranty for details.
Factory finish	UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. No VOC .
Environmental description	Low Emitting Materials (LEED EQc4.1, EQc4.2, EQc4.4) FSC Certified Wood (LEED MRc7). Available on request
INFORMATION	www.lambtondoors.com





TECHNOLOGY DESIGN ENVIRONMENT

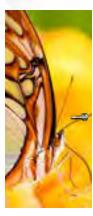
UNIQUE LOOK. DISTINCTIVE PROJECTS.

TaTToo DOOR SERIES

The TaTToo Series by LAMBTON DOORS gives every door, series of doors or design project a totally unique and distinctive look that will amaze and create a lasting and eye-catching impression.

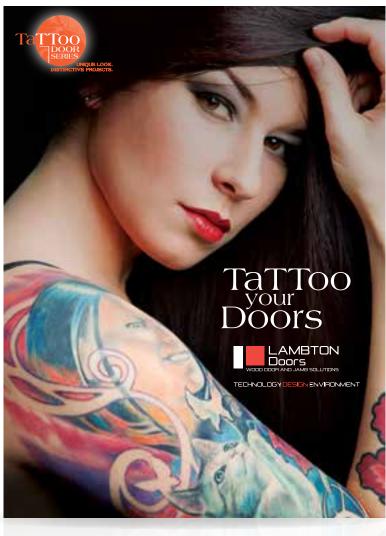
Just like choosing a tattoo that is unique to you, any door, series of doors or project can be "tattooed" with a distinctive signature, using fullsize images for maximum visual impact.

The process is simple. The image is first transferred onto a high pressure decorative laminate (HPDL) sheet. The sheet is then applied to the frame of the door in our factory. The TaTToo Series comes in the same range of high quality doors from LAMBTON DOORS, with the added touch of a unique and highly distinctive design element.









Tamoc

THE CREATIVE POSSIBILITIES ARE ENDLESS.

NIOUE LOOK

LET YOUR IMAGINATION RUN FREE WITH THE TATTOO DOOR SERIES.



THEME: Various. PROJECT: Single Doors. Sports • Wild Side • Music • Wine Industry • Medical



THEME: Various. Natural Phenomenon • Aviation Industry • Hotel Room • Tourist Attraction • Laboratory PROJECT: Single Doors.



A TOTALLY UNIQUE AND DISTINCTIVE LOOK THAT WILL AMAZE AND CREATE A LASTING AND EYE-CATCHING IMPRESSION.

Create an image and personalize it with a hotel door number, room name, company logo or other identifier. Here are some examples.





THEME: Butterflies. PROJECT: Multiple Doors in the same space. One image per door.











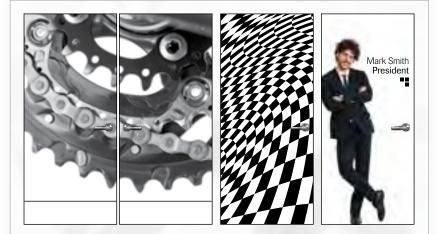
THEME: Cityscapes. PROJECT: Doors in Sequence close together. One unique image.



THEME: Corporate. PROJECT: Cie Logo.

TaTToo ^{your} Doors





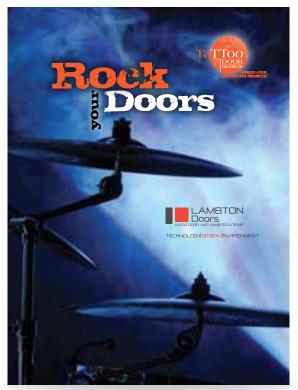
CHOOSING IMAGES FOR THE TATTOO DOOR SERIES.

- <u>Start with a theme.</u> It can be sports, nature, wide open spaces, cityscapes, vineyards, animals, butterflies, a manufacturing or service industry, company employees or other theme. The creative possibilities are endless.
- <u>Supply the images by theme.</u> These can come from a variety of sources: Lambton Doors image bank, personal photo bank, photos taken by a professional photographer, photos or images purchased from online image banks or montages created in a computer graphics studio. If you like, you can add a company logo, a room name, a door number, a person's name, a quote or other identifier.
- <u>Image quality.</u> The ideal resolution for images is 200 dpi (dots per inch). Anything below 100 dpi will have a pixelated or blurred look. Customers can supply their own images. We also offer image search and graphic design services, if desired. Technical specifications are available on request from our Customer Service Department.

Contact our Customer Service Department for additional information.



UNIQUE LOOK. DISTINCTIVE PROJECTS.



THE CREATIVE POSSIBILITIES ARE ENDLESS.



TECHNOLOGY DESIGN ENVIRONMENT

LD V03 - 07/2016

Customer Service

Telephone: 418 486.7401 • 1 800 463.3124 (CAN) • 1 800 363.2248 (USA) Fax: 418 486.7381 • 1 800 561.7443 235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com • info@lambtondoors.com

Architects and Designers You can also directly reach us at architect.designer@lambtondoors.com



COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

IDENTIFICATION, TECHNICAL SPECIFICATIONS AND GRAPHIC STANDARDS

Identification of your project • Checklist	2
Sections « TO BE FILLED OUT »	2
Technical specifications of your projectProject status. Visual media.Computer graphic design	3
of your door images	3
Computer graphic design	4
Lambton Doors image bank	4
- Single Doors	4
- Pair Doors	4
- Multiple Doors	5
- Doors in Sequence	6

Graphic standards and	guidelines7	7
- Graphic desig	n studios7	7

- Professional photographers......7





Tantoo Door Series





Thank you for choosing the TaTToo Door Series for your project. This Series gives every door a totally unique and distinctive look that will amaze and create a lasting and eye-catching impression.

Some parts of this document must be filled out and emailed to our Customer Service Department. Feel free to contact us regarding any questions, information or comments.

Customer Service

Canada 1 800 463-3124 United States 1 800 363-2248 orders@lambtondoors.com

IDENTIFICATION OF YOUR PROJECT

TO BE FILLED OUT

Purchase Order
Project Name

Lambton Doors Submission #



Single Doors with identifier

SECTIONS «TO BE FILLED OUT» - CHECKLIST

The following sections must **«BE FILLED OUT»** and emailed to us.

Identification of your project (page 2) Technical specifications of your project:

- Project status (page 3)
- Visual media for approval (page 3)
- Computer graphic design of your door images (page 3)

TECHNICAL SPECIFICATIONS OF YOUR PROJECT

PROJECT STATUS. VISUAL MEDIA. COMPUTER GRAPHIC DESIGN OF YOUR DOOR IMAGES.

TO BE FILLED OUT

Project status

New Project

Project Continuation

Project Name

TO BE FILLED OUT

Visual media for approval

Here are the visual media you will receive for approval of your project:

- PDF file showing the full visual of your project.
- Sample of a standard laminate showing an image of our choice.

This sample will enable you to preview a printed image on laminate.

Format: 152 mm W x 203 mm H (6" W x 8" H)

Check off one of the following boxes:

Matte finish Glossy finish

TO BE FILLED OUT

Computer graphic design of your door images Check off one of the following boxes:

17

I am choosing my images from the image bank suggested by Lambton Doors.

UNIOUE LOOK.

DISTINCTIVE PROJECTS.

A selection of images is provided below and on our website.

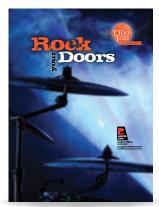
I am supplying images (photos) through a professional photographer of my choosing.

Consult *Graphic Standards and Guidelines* on page 7. Lambton Doors provides computer graphic design services, where required: e.g. adding the identifier "Research Laboratory 007" to your doors.

I am supplying my computer graphic designs through a graphic design studio of my choosing.

Consult Graphic Standards and Guidelines on page 7.

I wish to use Lambton Doors computer graphic design services to suggest a computer graphic design based on my choice of theme.



THE CREATIVE POSSIBILITIES ARE ENDLESS.

TECHNICAL SPECIFICATIONS OF YOUR PROJECT

COMPUTER GRAPHIC DESIGN. LAMBTON DOORS IMAGE BANK.

Bank of images suggested by Lambton Doors

Single Doors

Image S-001 SPORTS Football Image S-002 WILD SIDE Mandrill



Image S-003 MUSIC Studio Guitar



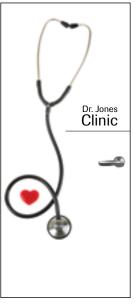
Image S-004 WINE INDUSTRY Wine and Cask

Tall

Image S-005 MEDICAL Stethoscope

UNIQUE LOOK.

DISTINCTIVE PROJECTS.

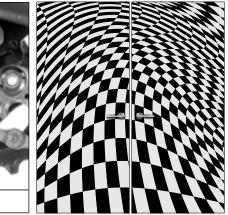




Pair Doors

Image P-001 Bicycle Drivetrain White





More choices are available on our website. Click here.



COMPUTER GRAPHIC DESIGN. LAMBTON DOORS IMAGE BANK.

Bank of images suggested by Lambton Doors - [cont'd]

Multiple Doors in the same space with a single THEME

Multiple Doors refers to a project in which the doors are in the same space and features a specific theme: for example, a hotel floor, a section of a medical clinic, part of a sports complex or a nature pavilion (butterflies).

Image S-011 Butterfly

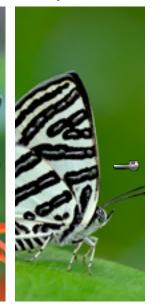


Image S-012 Butterfly

Image S-013 Butterfly



Image S-014 Butterfly Image S-015 Butterfly



More choices are available on our website. Click here.



COMPUTER GRAPHIC DESIGN. LAMBTON DOORS IMAGE BANK.

Bank of images suggested by Lambton Doors - [cont'd]

9 Doors in Sequence close together

Doors in Sequence close together refers to a project in which the doors are side by side, for example in hotel resorts.

Image SEQ-001 (4 doors) Nightscape and Moon



More choices are available on our website. Click here.

GRAPHIC STANDARDS AND GUIDELINES

GRAPHIC DESIGN STUDIOS AND PROFESSIONAL PHOTOGRAPHERS.

To ensure efficient and rapid production of your project, the following guidelines must be followed:

- Produce a high-resolution (HR) PDF file for each of your doors' computer design layouts.
- In the case of multiple doors in the same space or doors in a sequence close together, the HR-PDF must be saved using the same parameters to maximize the visual consistency of each door.
- The HR-PDF must include a bleed area and crop marks.
- Convert fonts into vectors and incorporate the images.
- Include "lambtondoors", the project name, format and desired quantity in the file name.
 Example:

Example:

[*lambtondoors_projectname_format_quantity*] lambtondoors_HotelBoston_36x84_10.pdf

Image Resolution

The ideal resolution is 200 dpi at the finished format. A higher resolution will only increase the file size and preparation time for printing without adding to the quality of the finished format. A resolution below 100 dpi will have a pixilated or blurred look.

Tal

UNIOUE LOOK.

DISTINCTIVE PROJECTS.

Photographers must provide the images in TIFF format.

• Typography and Spelling

Check all graphic elements and texts. LAMBTON DOORS is not responsible for typographical, grammatical or graphic errors.

Colours

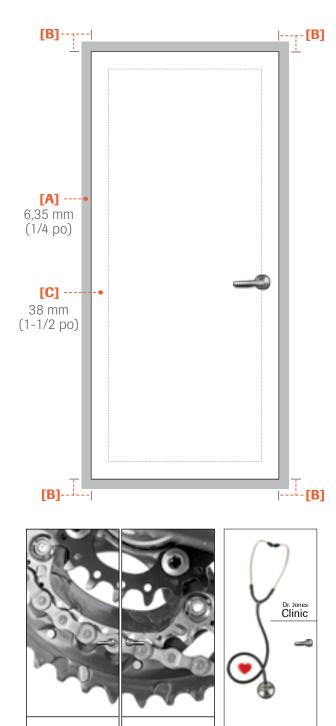
Prepare your files using the CMYK model. If possible, check that the following colour profiles are used: Adobe RGB (1998) for RGB files or US Web Coated (SWOP) v2 for CMYK files. The conversion option must be in "Perception" mode.



✤ Multiple Doors, BUTTERFLY theme

GRAPHIC STANDARDS AND GUIDELINES

GRAPHIC DESIGN STUDIOS AND PROFESSIONAL PHOTOGRAPHERS.



Bleed [A]

Add a 6,35 mm (1/4") bleed **[A]** area extending beyond the final format of your computer design layout for all graphic elements.

Ίa

Ensure that the crop marks **[B]** are OUTSIDE THE BLEED AREA **[A]**. Crop marks that overlap the bleed make it unusable.

Protected surface [C]

Plan a 38 mm (1-1/2") safety zone **[C]** inside the crop lines **[B]** for all elements that must appear in your computer design layout. This applies to printed texts or sections of images that are essential to reading and understanding your message.

As well, if your layout contains a border (fine line or dotted line, for example), the border must be at least 25 mm (1") wide. A thin border could make the finished product appear off-centre or uneven.

Uploading files

Use data transfer software (WeTransfer, Dropbox) to upload your files and forward them to us at the following address: orders@ lambtondoors.com. Be sure at the same time to email us the following information:

- Project Name
- Customer Name
- Number of documents sent
- Names of the documents

ᆇ Pair Doors

LD V01 - 07/2015

UNIOUE LOOK.

DISTINCTIVE PROJECTS.

Single Door with identifier



TECHNOLOGY DESIGN ENVIRONMENT

C. Français

Visit our Website

www.lambtondoors.com



Subscribe to our Newsletter, click here Canada USA



Watch our **Corporate Video**



AMBTON

2216-11-16-10-16,21 GOING FORWARD (1) LAMBTON DOORS NEW LAMETON GOORS sourceas as NEW CORPORATE LOOK and

over the next year we will be gradually updating our Manture with the new logistype and corporate image. Our inspiration in developing this new CONTEMPORARY AND MODERN (suite)

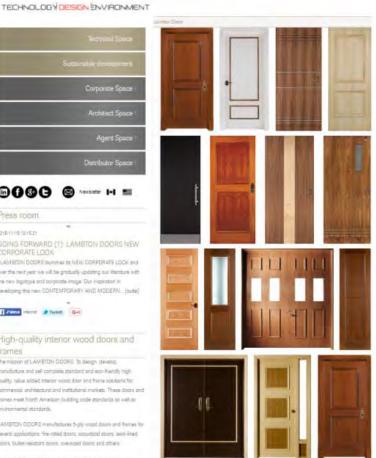
Talma insons @ Tweet. Get

High-quality interior wood doors and frames

The mission of LAMSTON COORS. Th design, develop, manufacture and sell complete standard and eco-friendly high quality, value added interior wood door and frame solutions for operation architectural and institutional markets. These doors and frames meet North American building code grandants as well as environmental standarde.

LAMBTON DDDRS menufactures 5-ply wood doors and frames for several applications fire-rated doors accurtized doors land-lined doors, builet-realizant doors, oversized doors and others.

Ar LAMETON DOORS, we believe in a transformed built





COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD



Tantoo Door Series UNIQUE LOOK. DISTINCTIVE PROJECTS.

LAMBTON DOORS IMAGE BANK

Notes	2
Single Doors	3
Pair Doors	11
Nultiple Doors	15
Doors in Sequence	





LD V02 - 08/2015

Tattoo Door Series UNIQUE LOOK. DISTINCTIVE PROJECTS.

Notes

If you would prefer other images than those proposed in our image bank, we offer the service of researching images to your request. Please contact our Customer Service Department.

Please keep in mind that it is possible to personalize your image with identifiers such as:

- hotel door number,
- room name (Conference Room, Women's Washroom, Engineering Department, etc.),
- corporate logo's,
- etc.

Here are some examples:

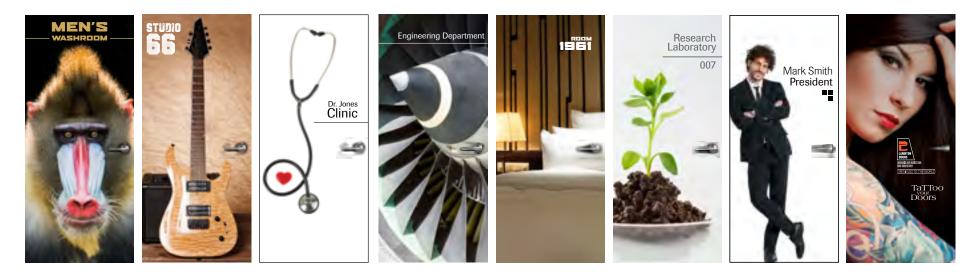








Image S-002 Mandrill



Image S-003 Guitar and Amplifier



Image S-004 Wine and Cask

Tal Too Door Series









Image S-006 Lunar Eclipse

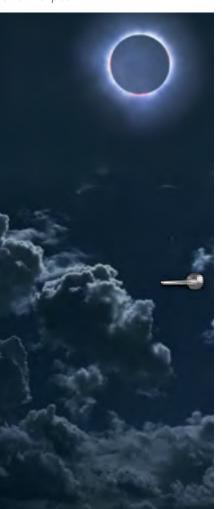


Image S-007 Plane

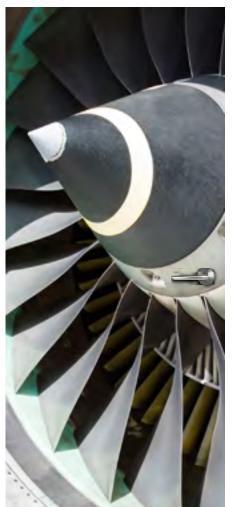


Image S-008 Hotel Room

Tal Too Door Series





Image S-009 Statue of Liberty



Image S-010 Sprout



Image S-011 Butterfly



Image S-012 Butterfly

Tantoo Door Series

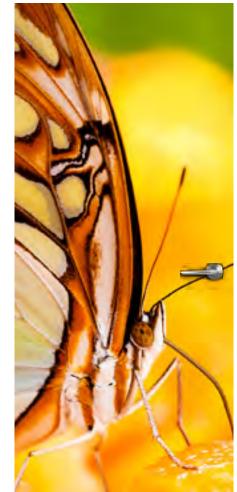








Image S-014 Butterfly



Image S-015 Butterfly



Tartoo Door Series Unique Look. Distinctive projects.

> Image S-016 Bicycle Drivetrain White





Image S-017 Bicycle Drivetrain Black

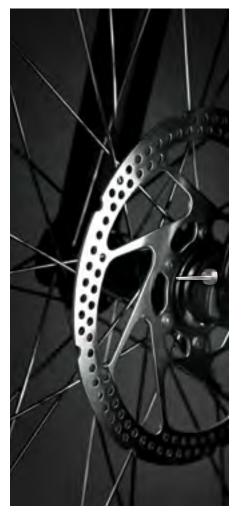


Image S-018 Turquoise Water



Image S-019 Chessboard Convex

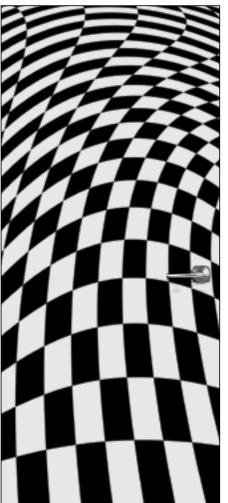


Image S-020 Cymbals

Tantoo Door Series







Image S-021 Golf: Golfer • Mountain



Image S-022 Golf: Flag • Mountain



Image S-023 Golf: Trap • Trees

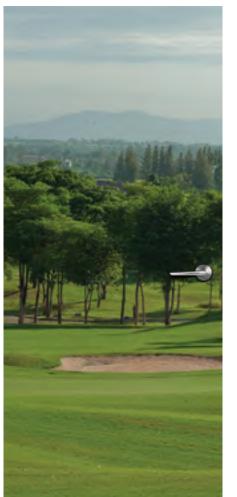
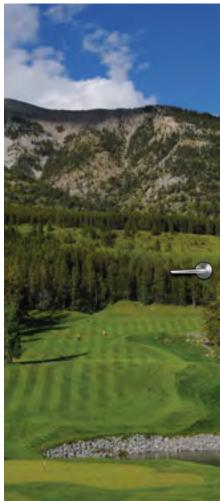


Image S-024 Golf: Green • Mountain





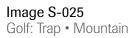




Image S-026Image S-027Waterfall: Turquoise Water • Red RocksCascade: Rocks • Tree Trunks





Image S-028 Waterfall: Turquoise Water

UNIQUE LOOK. DISTINCTIVE PROJECTS.

Tantoo Door Series







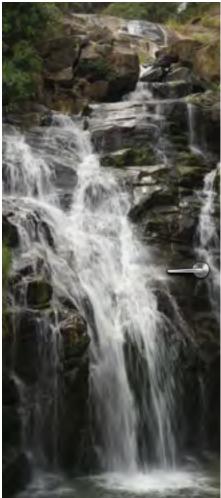


Image S-030 Waterfall: Purple Flowers



Image S-031 Sailboat



Image S-032 Sea Fishes

Tal Too Door Series



UNIQUE LOOK. DISTINCTIVE PROJECTS.





Image P-001 Bicycle Drivetrain White

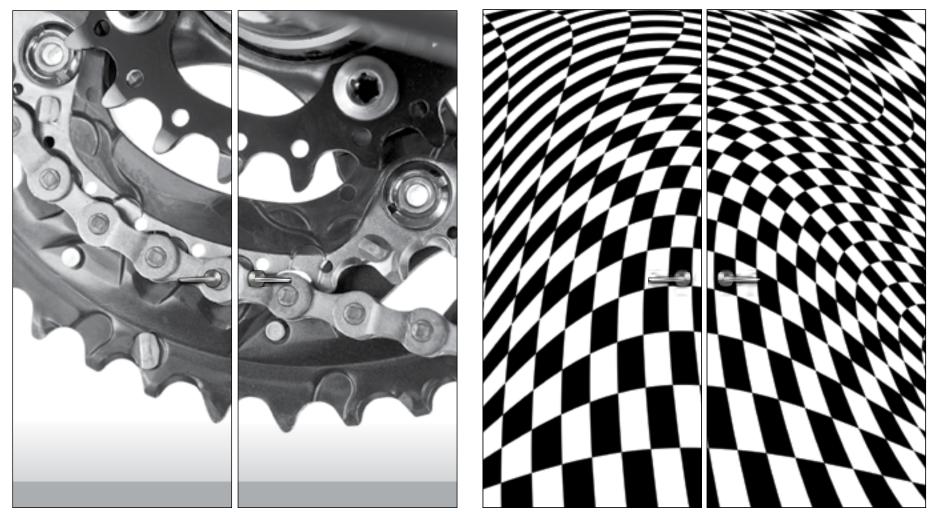


Image P-002 Chessboard Convex





Image P-003 Turquoise Water

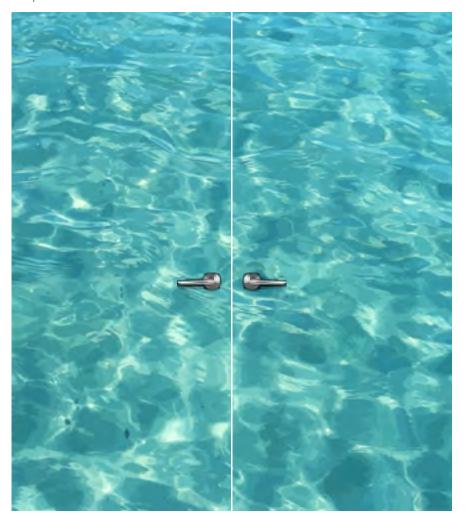


Image P-004 Nightscape and Moon







Image P-005 White Horse

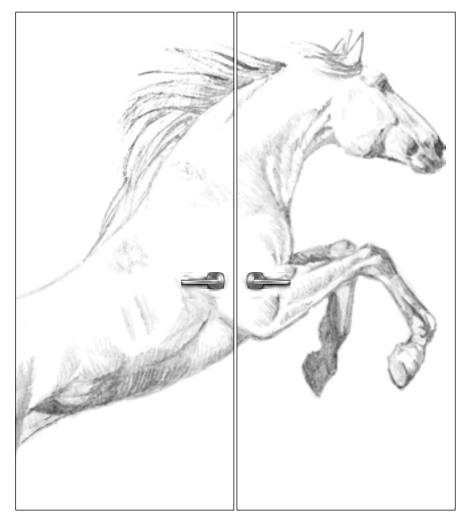


Image P-006 Dumbbell • Training

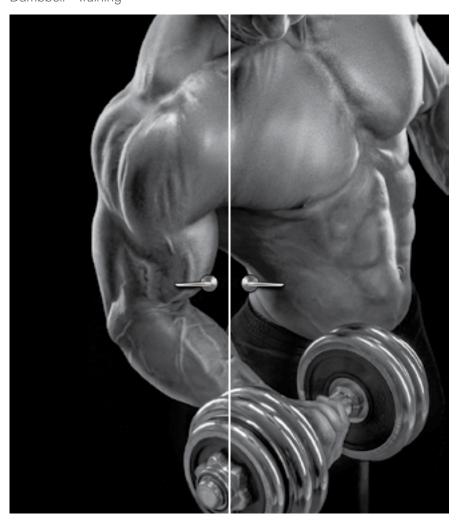






Image P-007 Golf: Pound • Trap



Image P-008 Mountains in the Morning





Multiple Doors in the same space with a single THEME. [It is possible to develop your own theme.]

THEME: Butterfly Image S-011

Image S-012



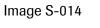


Image S-015













Multiple Doors in the same space with a single THEME. [It is possible to develop your own theme.]

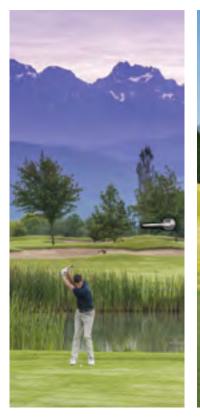
THEME: Golf Image S-021

Image S-022

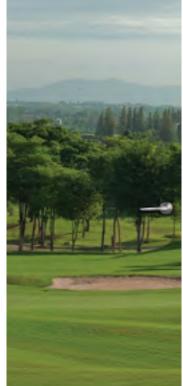
Image S-023

Image S-024

Image S-025













9 Multiple Doors

in the same space with a single THEME. [It is possible to develop your own theme.]

THEME: Waterfalls and Cascades
Image S-026 Image S-027

7

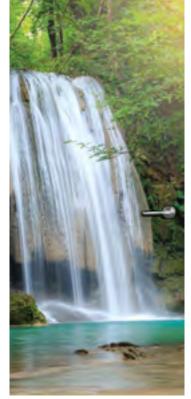
Image S-028











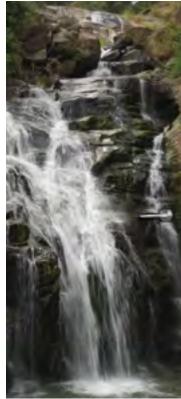








Image SEQ-001 Nightscape and Moon









Image SEQ-002 Chessboard Convex

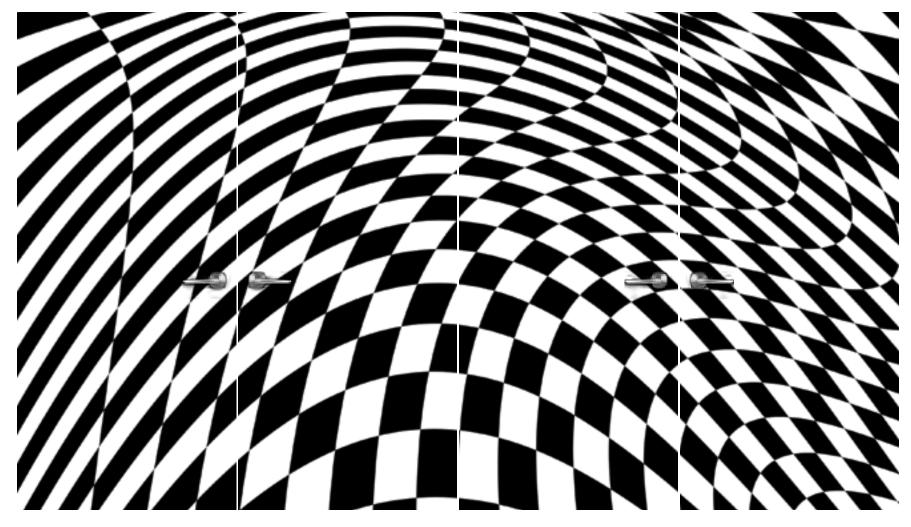






Image SEQ-003 Turquoise Water

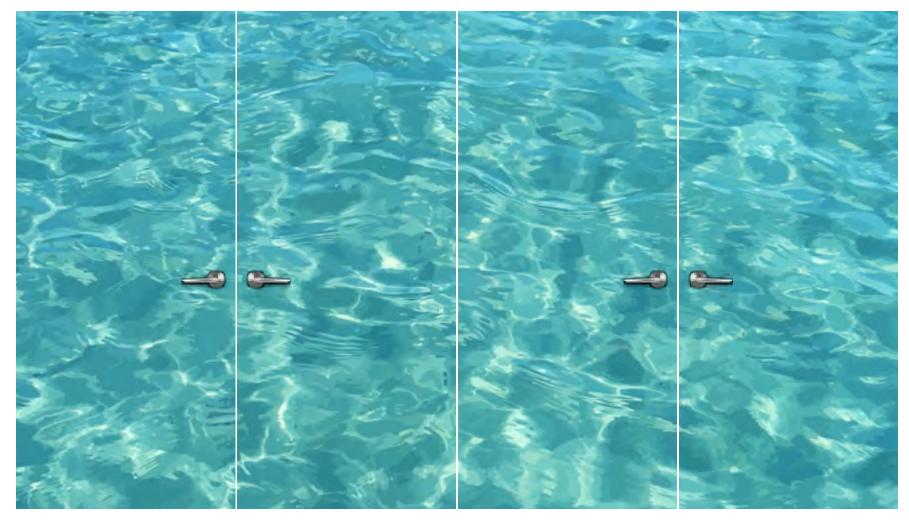






Image SEQ-004 World Map





Image SEQ-005 Beach and Umbrellas



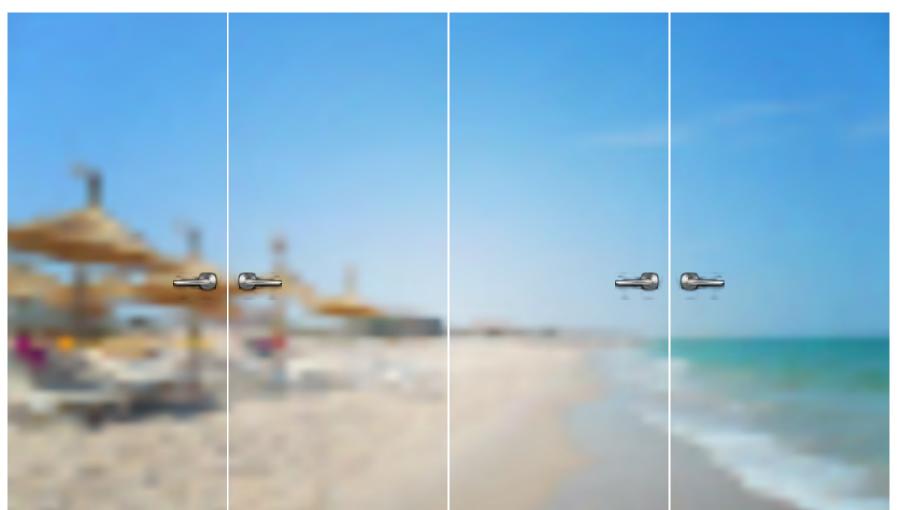






Image SEQ-006 White Horse

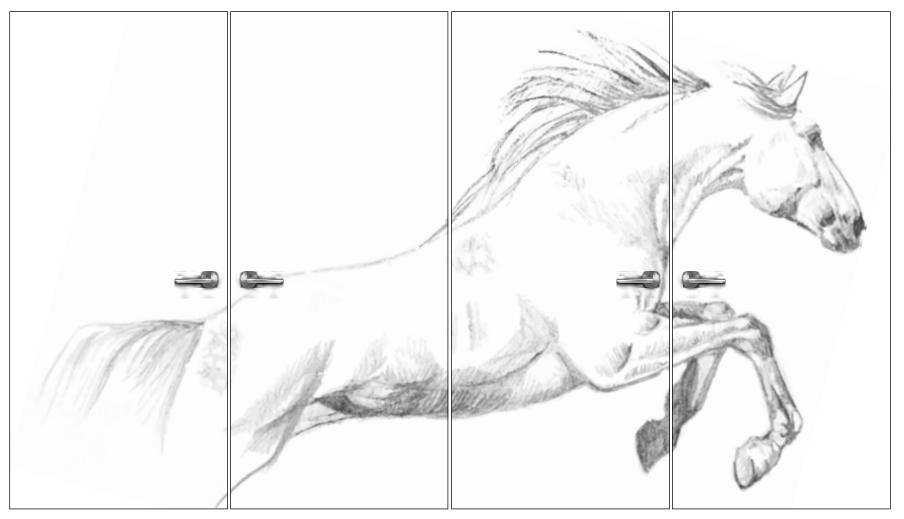






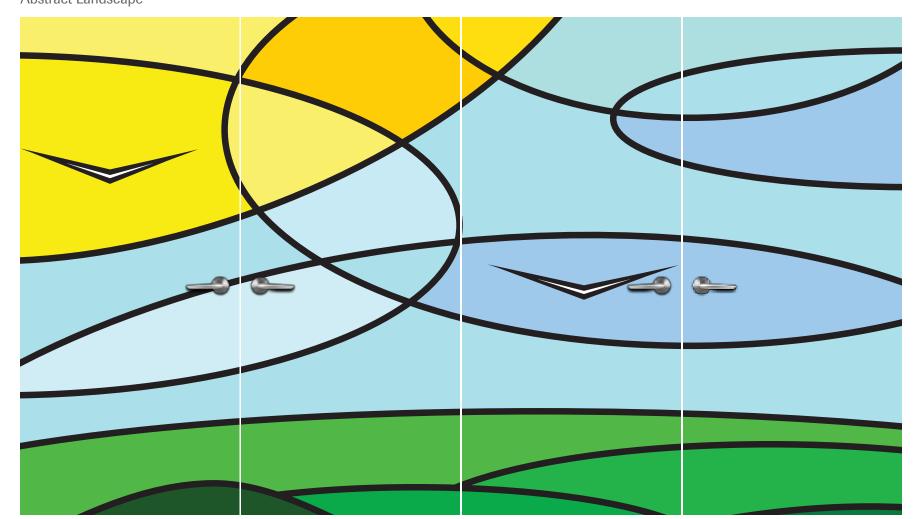
Image SEQ-007 Duo of Sailboats







Image SEQ-008 Abstract Landscape



R/c Birch

VENEER SUMMARY TABLE

ROTARY

This cut follows the log's annual growth rings, providing a generally bold random appearance.

Species	Birch
Cut	Rotary
COLOR AND MATCHING	White
Sapwood	Slight
Heartwood	No
Color streaks or spots	Slight
Color variation	Slight
Sharp color contrasts at joints	Slight
TYPE OF MATCHING	
Book matched	No
Continuous matched (transom)	No
Slip matched	No
Pleasing matched	Yes
Random matched	No
Nominal minimum width	Rotary
of face components	3.5" (89 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	3 per 2.69 sq. ft.
 Combined average number 	(0.25 sq. m)
Conspicuous burls – Maximum size	1/2" (12.7 mm)
Conspicuous pin knots	3 per 8 sq. ft.
– Average number	(0.74 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight
Bark pockets	No
Worm tracks	Slight
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending

The beauty

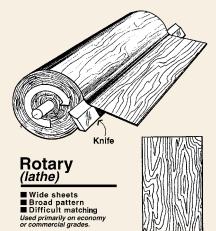
and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





Rotary[.]



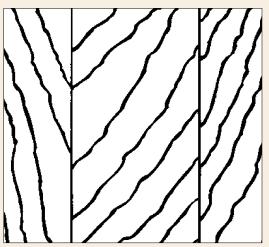
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

Very broad pattern

PLEASING MATCH



Pleasing Match is veneer matched by color but not by grain pattern.

Barber pole effect in book match

Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.



.

NATURAL Birch

12

The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





02/2009

VENEER SUMMARY TABLE

FLAT CUT (PLAIN SLICED)

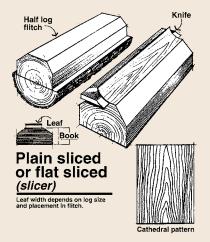
Slicing is done parallel to a line through the center of the log. Cathedral and straight grained patterns result. The individual pieces of veneer are kept in the order they are sliced, permitting a natural grain progression when assembled as veneer faces.

Species	Birch
Cut	Plain sliced
Grade description	Α
COLOR AND MATCHING	Natural
Sapwood	Yes
Heartwood	Yes
Color streaks or spots	Yes
Color variation	Yes
Sharp color contrasts at joints	No
TYPE OF MATCHING	
Book matched	Yes
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Plain sliced
of face components	4" (102 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
 Combined average number 	(0.25 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 8 sq. ft.
– Average number	(0.74 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
 Combined average number 	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight
Bark pockets	No
Worm tracks	Slight
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending

ADAPTED FROM HPVA LATEST EDITION.

Plain sliced

"Book and running match



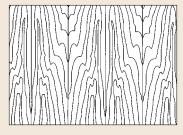
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

Barber pole effect in book match

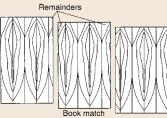
Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH

Non-symmetrical appearance in any single door face. Veneer pieces of unequal width. Each face is assembled from as many veneer pieces as necessary.



Running match



Plain sliced and rotary cut natural birch

"Natural", when referring to birch face veneer, indicates that the face may contain both heartwood (the red portion of the log) and sapwood (the white portion) in unrestricted amounts. Thus, natural birch faces may vary from all white to all dark, or any combination of white and dark. Also, the resulting grain configuration from book matched plain sliced natural birch may appear as alternating strips of white and dark veneer. If you prefer a light colored wood, specify white birch (all sapwood). If you want dark colored wood, specify red birch (all heartwood). However, availability is more restricted.

The grain pattern of rotary cut birch presents a more bold, random appearance than that of plain sliced veneer. Rotary cut natural veneers present the same general characteristics in terms of color as their plain sliced brethren. Again, the amount of sapwood and heartwood will determine the final appearance.

NATURAL Birch

6

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





10/2008

VENEER SUMMARY TABLE

ROTARY

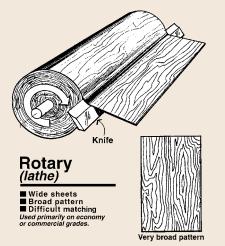
This cut follows the log's annual growth rings, providing a generally bold random appearance.

Species	Birch
Cut	Rotary
Grade description	A
COLOR AND MATCHING	Natural
Sapwood	Yes
Heartwood	Yes
Color streaks or spots	Yes
Color variation	Yes
Sharp color contrasts at joints	No
TYPE OF MATCHING	
Book matched	Yes
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Rotary
of face components	4" (102 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
- Combined average number	(0.25 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 8 sq. ft.
– Average number	(0.74 sq. m)
– Maximum size: dark part	<u>1/8" (3 mm)</u>
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
- Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight No
Bark pockets Worm tracks	
Vine marks	Slight Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	Jiigiit
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending
Topuno	oman bionung

ADAPTED FROM HPVA LATEST EDITION.

•Rotary··

·Book and running match



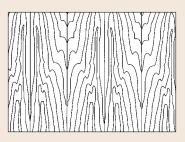
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

Barber pole effect in book match

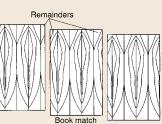
Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH

Non-symmetrical appearance in any single door face. Veneer pieces of unequal width. Each face is assembled from as many veneer pieces as necessary.



Running match



Plain sliced and rotary cut natural birch

"Natural", when referring to birch face veneer, indicates that the face may contain both heartwood (the red portion of the log) and sapwood (the white portion) in unrestricted amounts. Thus, natural birch faces may vary from all white to all dark, or any combination of white and dark. Also, the resulting grain configuration from book matched plain sliced natural birch may appear as alternating strips of white and dark veneer. If you prefer a light colored wood, specify white birch (all sapwood). If you want dark colored wood, specify red birch (all heartwood). However, availability is more restricted.

The grain pattern of rotary cut birch presents a more bold, random appearance than that of plain sliced veneer. Rotary cut natural veneers present the same general characteristics in terms of color as their plain sliced brethren. Again, the amount of sapwood and heartwood will determine the final appearance.





Paint Grade

VENEER SUMMARY TABLE

ROTARY

This cut follows the log's annual growth rings, providing a generally bold random appearance.

CutRotaryGrade descriptionSound (Paint)Color AND MATCHINGNaturalSapwoodYesHeartwoodYesColor streaks or spotsYesColor variationYesSharp color contrasts at jointsYesTYPE OF MATCHINGUBook matchedYesSlip matchedNoNominal minimum width of face componentsRotary 3" (76 mm)MATURAL CHARACTERISTICSNoSmall conspicuous burls and pin knots - Combined average numberNo limitConspicuous purls – Maximum sizeNo limitConspicuous purls – Maximum sizeNo limit- Average numberNo limit- Maximum size: totalNo limitscattered sound and repaired knots - Combined average number1 per 4 sq. ft. (0.37 m²)- Combined average number1 per 4 sq. ft. (0.37 m²)- Combined average number1 per 4 sq. ft. (0.37 m²)- Combined average number1 per 4 sq. ft. (0.37 m²)- Combined average number1 per 4 sq. ft. (0.37 m²)- Combined average number1 per 4 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsYesBark pocketsYesMorent racksYesVine marksYesCross barsYesMAUPACTURING CHARACTERISTICSHeren 3/16" x 8" (4.8 mm x 203 mm)RepairsYesMairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Species	Birch
COLOR AND MATCHINGNaturalSapwoodYesHeartwoodYesColor streaks or spotsYesColor variationYesSharp color contrasts at jointsYesTYPE OF MATCHINGPesBook matchedYesSlip matchedNoNominal minimum width of face componentsNo limitNATURAL CHARACTERISTICSNoSmall conspicuous burls and pin knots - Combined average numberNo limitConspicuous burls - Maximum sizeNo limitConspicuous pin knots - Average numberNo limitMaximum size: dark partNo limitMaximum size: dark partNo limitScattered sound and repaired knots - Combined average number1 per 4 sq. ft. (0.37 m²) 8 per 4' x 8' (1.2 m x 2.4 m) panel- Maximum size - Sound - Maximum size - Sound1/2" (13 mm) . . - Average number- Maximum size - Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesCross barsYesMANUFACTURING CHARACTERISTICSRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)		Rotary
SapwoodYesHeartwoodYesColor streaks or spotsYesColor variationYesSharp color contrasts at jointsYesTYE OF MATCHINGBook matchedYesSlip matchedNoNominal minimum widthRotary of face components3" (76 mm)3" (76 mm)NATURAL CHARACTERISTICSSmall conspicuous burls and pin knots - Combined average numberNo limitConspicuous burls - Maximum sizeNo limitConspicuous pin knots - Average numberNo limit- Average numberNo limitStattered sound and repaired knots - Combined average number1 per 4 sq. ft. (0.37 m²) 8 per 4' x 8' (1.2 m x 2.4 m) panel 1/2" (13 mm) - Average number - Repaired1 lper 4 sq. ft. (0.74 m²)1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm) YesWorm tracksYesVine marksYesMANUFACTURING CHARACTERISTICSBended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Grade description	Sound (Paint)
HeartwoodYesColor streaks or spotsYesColor variationYesSharp color contrasts at jointsYesTYPE OF MATCHINGImage: Construct of the system	COLOR AND MATCHING	
Color streaks or spotsYesColor variationYesSharp color contrasts at jointsYesTTPE OF MATCHINGYesBook matchedYesSlip matchedNoNominal minimum widthRotaryof face components3" (76 mm)NATURAL CHARACTERISTICSSmall conspicuous burls and pin knots- Combined average numberNo limitConspicuous burls - Maximum sizeNo limitConspicuous burls - Maximum sizeNo limitConspicuous burls - Maximum sizeNo limitConspicuous burls - Maximum sizeNo limitConspicuous pin knotsNo limit- Average numberNo limitScattered sound and repaired knots1 per 4 sq. ft. (0.37 m²)- Combined average number8 per 4" x 8" (1.2 m x 2.4 m) panel- Maximum size - Sound1/2" (13 mm)- Average number - Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsYesVine marksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Sapwood	Yes
Color variationYesSharp color contrasts at jointsYesTYPE OF MATCHINGItem Starp color contrasts at jointsBook matchedYesSlip matchedNoNominal minimum widthRotary of face components3" (76 mm)NATURAL CHARACTERISTICSSmall conspicuous burls and pin knots - Combined average numberNo limitConspicuous burls - Maximum sizeNo limitConspicuous pin knots - Average numberNo limitOnspicuous pin knots - Average numberNo limitOrspicuous pin knots - Average numberNo limitOmbined average numberNo limitConspicuous pin knots - Average numberNo limitMaximum size: dark partNo limitMaximum size: totalNo limitScattered sound and repaired knots - Combined average number1 per 4 sq. ft. (0.37 m²) 8 per 4' x 8' (1.2 m x 2.4 m) panel 1/2" (13 mm) - Average number - RepairedMineral streaksYesBark pocketsYesWorm tracksYesVine marksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Heartwood	Yes
Sharp color contrasts at jointsYesTYPE OF MATCHINGImage: Constraint of the second of the s	Color streaks or spots	Yes
TYPE OF MATCHINGYesBook matchedYesSlip matchedNoNominal minimum widthRotaryof face components3" (76 mm)NATURAL CHARACTERISTICSSmall conspicuous burls and pin knots – Combined average numberNo limitConspicuous burls – Maximum sizeNo limitConspicuous pin knots – Average numberNo limitOnspicuous pin knots – Average numberNo limitScattered sound and repaired knots – Combined average number1 per 4 sq. ft. (0.37 m²)Scattered sound and repaired knots – Combined average number1 per 4 sq. ft. (0.37 m²)Scattered sound and repaired knots – Combined average number1 per 4 sq. ft. (0.37 m²)Maximum size – Sound1/2" (13 mm)– Maximum size – Repaired1 /2" (13 mm)– Average number – Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Color variation	Yes
Book matchedYesSlip matchedNoNominal minimum width of face componentsRotary 3" (76 mm)NATURAL CHARACTERISTICSSmall conspicuous burls and pin knots – Combined average numberNo limitNo limitConspicuous burls – Maximum sizeNo limitConspicuous burls – Maximum sizeNo limitConspicuous pin knots – Average numberNo limitOnspicuous pin knots – Average numberNo limitScattered sound and repaired knots – Combined average number1 per 4 sq. ft. (0.37 m²) 8 per 4' x 8' (1.2 m x 2.4 m) panel – Maximum size - SoundMaximum size – Sound1/2" (13 mm) – Average number – Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Sharp color contrasts at joints	Yes
Slip matchedNoNominal minimum width of face componentsRotary 3" (76 mm)NATURAL CHARACTERISTICSSmall conspicuous burls and pin knots – Combined average numberNo limitConspicuous burls – Maximum sizeNo limitConspicuous pin knots – Average numberNo limitConspicuous pin knots – Average numberNo limit- Maximum size: dark partNo limit- Maximum size: totalNo limitScattered sound and repaired knots – Combined average number1 per 4 sq. ft. (0.37 m²) 8 per 4' x 8' (1.2 m x 2.4 m) panel 1/2" (13 mm) – Maximum size – Sound- Maximum size – Repaired1/2" (13 mm) 1/2" (13 mm) – Average number – Repaired- Maximum size – Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesMANUFACTURING CHARACTERISTICSRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	TYPE OF MATCHING	
Nominal minimum width of face componentsRotary 3" (76 mm)NATURAL CHARACTERISTICSSmall conspicuous burls and pin knots - Combined average numberNo limitConspicuous burls – Maximum sizeNo limitConspicuous pin knots - Average numberNo limitOnspicuous pin knots - Average numberNo limitOutspicuous pin knots - Average numberNo limitMaximum size: dark partNo limitMaximum size: totalNo limitScattered sound and repaired knots - Combined average number1 per 4 sq. ft. (0.37 m²) 8 per 4' x 8' (1.2 m x 2.4 m) panelMaximum size - Repaired1/2" (13 mm) - Maximum size - RepairedMineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm) YesWorm tracksYesVine marksYesMANUFACTURING CHARACTERISTICSTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Book matched	Yes
of face components3" (76 mm)NATURAL CHARACTERISTICS3" (76 mm)Small conspicuous burls and pin knots – Combined average numberNo limitConspicuous burls – Maximum sizeNo limitConspicuous pin knots – Average numberNo limit- Maximum size: dark partNo limit- Maximum size: totalNo limitScattered sound and repaired knots – Combined average number1 per 4 sq. ft. (0.37 m²) 8 per 4' x 8' (1.2 m x 2.4 m) panel 1/2" (13 mm) – Maximum size – Sound- Maximum size – Sound1/2" (13 mm) 1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm) YesWorm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSYesRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Slip matched	No
NATURAL CHARACTERISTICSSmall conspicuous burls and pin knots – Combined average numberNo limitConspicuous burls – Maximum sizeNo limitConspicuous pin knots – Average numberNo limit– Maximum size; dark partNo limit– Maximum size; totalNo limitScattered sound and repaired knots – Combined average number1 per 4 sq. ft. (0.37 m²) 8 per 4' x 8' (1.2 m x 2.4 m) panel 1/2" (13 mm) – Maximum size – Sound– Maximum size – Sound1/2" (13 mm) 1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm) YesVine marksYesVine marksYesMANUFACTURING CHARACTERISTICSYesRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Nominal minimum width	
Small conspicuous burls and pin knots – Combined average numberNo limitConspicuous burls – Maximum sizeNo limitConspicuous pin knots – Average numberNo limit– Maximum size: dark partNo limit– Maximum size: totalNo limit– Maximum size: totalNo limitScattered sound and repaired knots – Combined average number1 per 4 sq. ft. (0.37 m²)8 per 4' x 8' (1.2 m x 2.4 m) panel– Maximum size – Sound1/2" (13 mm)– Maximum size – Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	of face components	3" (76 mm)
- Combined average numberNo limitConspicuous burls - Maximum sizeNo limitConspicuous pin knots - Average numberNo limit- Maximum size: dark partNo limit- Maximum size: totalNo limitScattered sound and repaired knots - Combined average number1 per 4 sq. ft. (0.37 m²)- Maximum size - Sound1/2" (13 mm)- Maximum size - Repaired1/2" (13 mm)- Maximum size - Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	NATURAL CHARACTERISTICS	
Conspicuous burls – Maximum sizeNo limitConspicuous pin knots – Average numberNo limit– Maximum size: dark partNo limit– Maximum size: totalNo limitScattered sound and repaired knots – Combined average number1 per 4 sq. ft. (0.37 m²)8 per 4' x 8' (1.2 m x 2.4 m) panel– Maximum size – Sound1/2" (13 mm)– Maximum size – Repaired1/2" (13 mm)– Maximum size – Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Small conspicuous burls and pin knots	
Conspicuous pin knots – Average numberNo limit- Maximum size: dark partNo limit- Maximum size: totalNo limitScattered sound and repaired knots – Combined average number1 per 4 sq. ft. (0.37 m²) 8 per 4' x 8' (1.2 m x 2.4 m) panel- Maximum size – Sound1/2" (13 mm) – Maximum size – Repaired- Maximum size – Repaired1/2" (13 mm) – Maximum size – Repaired- Maximum size – Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm) YesWorm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	 Combined average number 	No limit
- Average numberNo limit- Maximum size: dark partNo limit- Maximum size: totalNo limitScattered sound and repaired knots - Combined average number1 per 4 sq. ft. (0.37 m²)8 per 4' x 8' (1.2 m x 2.4 m) panel- Maximum size - Sound1/2" (13 mm)- Maximum size - Repaired1/2" (13 mm)- Average number - Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSYesRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Conspicuous burls – Maximum size	No limit
- Maximum size: dark partNo limit- Maximum size: totalNo limitScattered sound and repaired knots1 per 4 sq. ft. (0.37 m²)- Combined average number8 per 4' x 8' (1.2 m x 2.4 m) panel- Maximum size - Sound1/2" (13 mm)- Maximum size - Repaired1/2" (13 mm)- Average number - Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Conspicuous pin knots	
- Maximum size: totalNo limitScattered sound and repaired knots - Combined average number1 per 4 sq. ft. (0.37 m²) 8 per 4' x 8' (1.2 m x 2.4 m) panel- Maximum size - Sound1/2" (13 mm) - Maximum size - Repaired- Maximum size - Repaired1/2" (13 mm) - Maximum size - Repaired- Maximum size - Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	– Average number	No limit
Scattered sound and repaired knots – Combined average number1 per 4 sq. ft. (0.37 m²) 8 per 4' x 8' (1.2 m x 2.4 m) panel– Maximum size – Sound1/2" (13 mm)– Maximum size – Repaired1/2" (13 mm)– Maximum size – Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	– Maximum size: dark part	No limit
- Combined average number8 per 4' x 8' (1.2 m x 2.4 m) panel- Maximum size - Sound1/2" (13 mm)- Maximum size - Repaired1/2" (13 mm)- Average number - Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	– Maximum size: total	No limit
- Maximum size - Sound1/2" (13 mm)- Maximum size - Repaired1/2" (13 mm)- Average number - Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSYesRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)		
- Maximum size - Repaired1/2" (13 mm)- Average number - Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSYesRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)		8 per 4' x 8' (1.2 m x 2.4 m) panel
- Average number - Repaired1 per 8 sq. ft. (0.74 m²)Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	– Maximum size – Sound	1/2" (13 mm)
Mineral streaksYesBark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSYesRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	– Maximum size – Repaired	1/2" (13 mm)
Bark pocketsFew to 1/4" x 2" (6 mm x 51 mm)Worm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSYesRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	– Average number – Repaired	1 per 8 sq. ft. (0.74 m ²)
Worm tracksYesVine marksYesCross barsYesMANUFACTURING CHARACTERISTICSMANUFACTURING CHARACTERISTICSRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Mineral streaks	
Vine marksYesCross barsYesMANUFACTURING CHARACTERISTICSRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Bark pockets	Few to 1/4" x 2" (6 mm x 51 mm)
Cross barsYesMANUFACTURING CHARACTERISTICSRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Worm tracks	Yes
MANUFACTURING CHARACTERISTICSRough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Vine marks	
Rough cutTwo 8" (203 mm) diameter or equivalentBlended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)		Yes
Or equivalent Blended repaired tapering hairline splits Four 3/16" x 8" (4.8 mm x 203 mm)		
Blended repaired tapering hairline splitsFour 3/16" x 8" (4.8 mm x 203 mm)	Rough cut	· · · · · · · · · · · · · · · · · · ·
hairline splits (4.8 mm x 203 mm)		· · ·
Repairs Yes	hairline splits	
	Repairs	Yes

ADAPTED FROM HPVA LATEST EDITION.

and character of wood

4

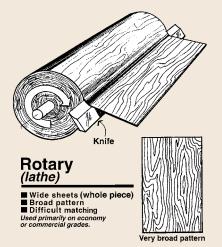
It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





10/2008

-Rotary--



MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line could be any below.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding

a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

Barber pole effect in book match

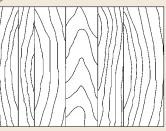
Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

RANDOM MATCH

A random selection of individual pieces of veneer from one or more logs produces a "board like" appearance. It is most commonly used in opaque and "good" grade doors.

OR

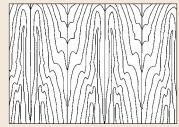
WHOLE PIECE





· · Book and random match or whole piece





WHITE Birch

The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





02/2010

VENEER SUMMARY TABLE

FLAT CUT (PLAIN SLICED)

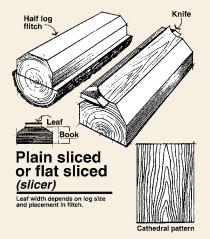
Slicing is done parallel to a line through the center of the log. Cathedral and straight grained patterns result. The individual pieces of veneer are kept in the order they are sliced, permitting a natural grain progression when assembled as veneer faces.

Species	Birch
Cut	Plain sliced
Grade description	A
COLOR AND MATCHING	White
Sapwood	Yes
Heartwood	No
Color streaks or spots	Slight
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	
Book matched	Yes
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Plain sliced
of face components	4" (102 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
– Combined average number	(0.25 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 8 sq. ft.
– Average number	(0.74 sq. m)
– Maximum size: dark part	<u>1/8" (3 mm)</u>
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight
Bark pockets	No
Worm tracks	Slight
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending

ADAPTED FROM HPVA LATEST EDITION.

Plain sliced

····Book and running match



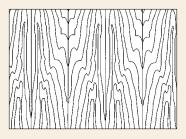
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

Barber pole effect in book match

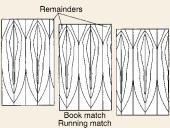
Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH

Non-symmetrical appearance in any single door face. Veneer pieces of unequal width. Each face is assembled from as many veneer pieces as necessary.







10

The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





10/2008

VENEER SUMMARY TABLE

QUARTER CUT

A series of stripes is produced. These stripes vary in width from species to species. A natural distribution of ray fleck (flake) is a characteristic of this cut in red and white oak.

Species	Birch
Cut	Quarter
Grade description	A
COLOR AND MATCHING	White
Sapwood	Yes
Heartwood	No
Color streaks or spots	Slight
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Quarter
of face components	3" (76 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
– Combined average number	(0.25 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 8 sq. ft.
– Average number	(0.74 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight
Bark pockets	No
Worm tracks	Slight
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending

ADAPTED FROM HPVA LATEST EDITION.

Quarter cut…



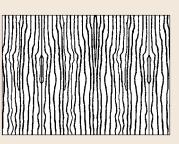
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

Barber pole effect in book match

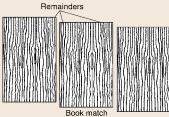
Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH

Non-symmetrical appearance in any single door face. Veneer pieces of unequal width. Each face is assembled from as many veneer pieces as necessary.



Running match

···Book and running match





8

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





10/2008

VENEER SUMMARY TABLE

ROTARY

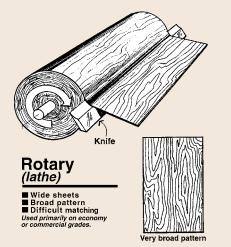
This cut follows the log's annual growth rings, providing a generally bold random appearance.

Species	Birch
Cut	Rotary
Grade description	A
COLOR AND MATCHING	White
Sapwood	Yes
Heartwood	No
Color streaks or spots	Slight
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Rotary
of face components	4" (102 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
 Combined average number 	(0.25 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 8 sq. ft.
– Average number	(0.74 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight
Bark pockets	No
Worm tracks	Slight
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending

ADAPTED FROM HPVA LATEST EDITION.

-Rotary-

• Book and running match



MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding

a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

Barber pole effect in book match

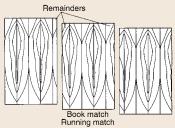
Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

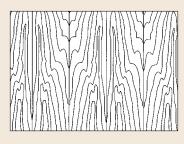
The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH

Non-symmetrical appearance in any single door face. Veneer pieces of unequal width. Each face is assembled from as many veneer pieces as necessary.







RED Oak

22

The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





01/2010

VENEER SUMMARY TABLE

FLAT CUT (PLAIN SLICED)

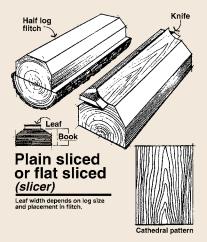
Slicing is done parallel to a line through the center of the log. Cathedral and straight grained patterns result. The individual pieces of veneer are kept in the order they are sliced, permitting a natural grain progression when assembled as veneer faces.

Spacies	Oak
Species Cut	Plain sliced
Grade description	A
COLOR AND MATCHING	Red
Sapwood	5%
Heartwood	Yes
Color streaks or spots	Yes
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	110
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Plain sliced
of face components	4" (102 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
 Combined average number 	(0.25 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 2.69 sq. ft.
– Average number	(0.25 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight; Blending
Bark pockets	No
Worm tracks	No
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending
SPECIAL CHARACTERISTICS	
Ray fleck	Slight; Blending

ADAPTED FROM HPVA LATEST EDITION.

Plain sliced

"Book and running match



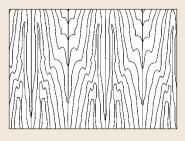
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

Barber pole effect in book match

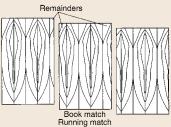
Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH

Non-symmetrical appearance in any single door face. Veneer pieces of unequal width. Each face is assembled from as many veneer pieces as necessary.





RED Oak

20

The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





02/2010

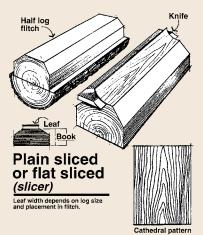
VENEER SUMMARY TABLE

FLAT CUT (PLAIN SLICED)

Slicing is done parallel to a line through the center of the log. Cathedral and straight grained patterns result. The individual pieces of veneer are kept in the order they are sliced, permitting a natural grain progression when assembled as veneer faces.

a natural grant progression when	
Species Cont	Oak Distantional
Cut	Plain sliced
Grade description	A
COLOR AND MATCHING	Red
Sapwood	5%
Heartwood	Yes
Color streaks or spots	Yes
Color variation	Slight
Sharp color contrasts at joints	Yes
TYPE OF MATCHING	0
Book matched	Specify
Continuous matched (transom)	Specify
Slip matched	Yes
Random matched	Specify
Nominal minimum width	Plain sliced
of face components	4" (102 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
– Combined average number	(0.25 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 2.69 sq. ft.
– Average number	(0.25 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight; Blending
Bark pockets	No
Worm tracks	No
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending
SPECIAL CHARACTERISTICS	
Ray fleck	Slight; Blending
ADAPTED FROM	
HPVA LATEST EDITION.	

Plain sliced



MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

SLIP MATCH

Adjoining pieces of veneer are placed in sequence without turning over every other piece. The grain figure repeats, but joints won't show mirrored effect. Slip matching is often used in quarter cut, rift cut and comb grain veneers to minimize the barber pole effect.

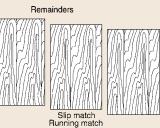


ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH

Non-symmetrical appearance in any single door face. Veneer pieces of unequal width. Each face is assembled from as many veneer pieces as necessary.









RED Oak

24

The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





10/2008

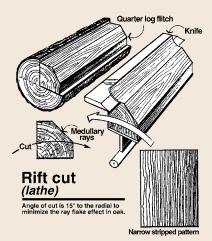
VENEER SUMMARY TABLE

RIFT CUT

The cut slices slightly across the medullary rays, accentuating the vertical grain and minimizing the "flake". Rift grain is restricted to red and white oak.

Species	Oak
Cut	Rift cut
Grade description	A
COLOR AND MATCHING	Red
Sapwood	5%
Heartwood	Yes
Color streaks or spots	Yes
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Rift
of face components	3" (76 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
- Combined average number	(0.25 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 2.69 sq. f ^t .
– Average number	(0.25 sq. m))
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight; Blending
Bark pockets	No
Worm tracks	No
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending
SPECIAL CHARACTERISTICS	CI: 1, D1 1:
Ray fleck	Slight; Blending
ADAPTED FROM HPVA LATEST EDITION.	

Book and running match



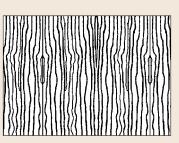
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

Barber pole effect in book match

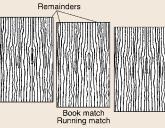
Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH

Non-symmetrical appearance in any single door face. Veneer pieces of unequal width. Each face is assembled from as many veneer pieces as necessary.





RED Oak

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





02/2010

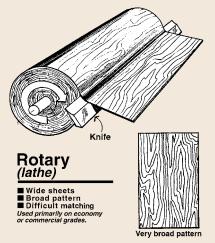
VENEER SUMMARY TABLE

ROTARY

This cut follows the log's annual growth rings, providing a generally bold random appearance.

Species	Oak
Cut	Rotary
Grade description	A
COLOR AND MATCHING	Red
Sapwood	5%
Heartwood	Yes
Color streaks or spots	Yes
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Rotary
of face components	4" (102 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
– Combined average number	(0.25 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 2.69 sq. ft.
– Average number	(0.25 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight; Blending
Bark pockets	No
Worm tracks	No
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	No
Rough cut	
Blended repaired tapering hairline splits	Two 1/16" x 6" (1.6 mm x 152 mm)
Repairs	Small blending
SPECIAL CHARACTERISTICS	Sman Dienung
Ray fleck	Slight; Blending
They need	ongne, Diending
ADAPTED FROM HPVA LATEST EDITION.	

Rotary



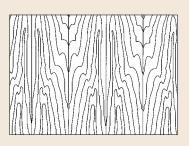
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

Barber pole effect in book match

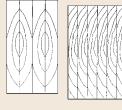
Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

CENTER BALANCE MATCH

In a Center Balance Match an even number of equal width veneer leaves makes up the panel face. This produces horizontal symmetry. A small amount of figure is lost in the process.







WHITE Oak

26

The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





10/2008

VENEER SUMMARY TABLE

FLAT CUT (PLAIN SLICED)

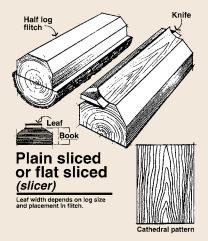
Slicing is done parallel to a line through the center of the log. Cathedral and straight grained patterns result. The individual pieces of veneer are kept in the order they are sliced, permitting a natural grain progression when assembled as veneer faces.

	Oak
Species Cut	Plain sliced
	A
Grade description	White
COLOR AND MATCHING	Yes
Sapwood	
Heartwood	Yes
Color streaks or spots	Yes
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	V
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Plain sliced
of face components	4" (102 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
– Combined average number	(0.25 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 2.69 sq. ft.
– Average number	(0.25 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight; Blending
Bark pockets	No
Worm tracks	No
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending
SPECIAL CHARACTERISTICS	
Ray fleck	Slight; Blending
	· · · · · · · · · · · · · · · · · · ·
ADAPTED FROM	

HPVA LATEST EDITION.

Plain sliced

· Book and running match



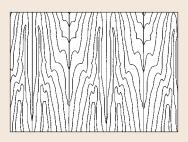
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

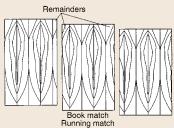
Barber pole effect in book match

Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH





WHITE Oak

The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





02/2010

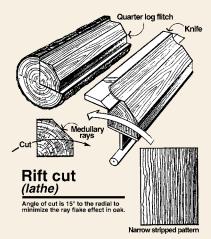
VENEER SUMMARY TABLE

RIFT CUT

The cut slices slightly across the medullary rays, accentuating the vertical grain and minimizing the "flake". Rift grain is restricted to red and white oak.

Species	Oak
Cut	Rift cut
Grade description	A
COLOR AND MATCHING	White
Sapwood	Yes
Heartwood	Yes
Color streaks or spots	Yes
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Rift
of face components	3" (76 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
 Combined average number 	(0.25 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 2.69 sq. f ^t .
– Average number	(0.25 sq. m))
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight; Blending
Bark pockets	No
Worm tracks	No
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending
SPECIAL CHARACTERISTICS	
Ray fleck	Slight; Blending
ADAPTED FROM HPVA LATEST EDITION.	

Book and running match



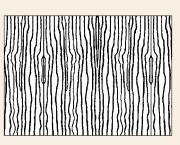
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

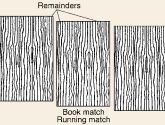
Barber pole effect in book match

Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

appearance. Any sequence matching from opening to opening must be specified. The type of "assembly match" must be specified to obtain a desired

RUNNING MATCH







14

The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





10/2008

VENEER SUMMARY TABLE

FLAT CUT (PLAIN SLICED)

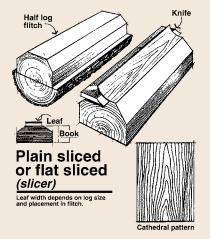
Slicing is done parallel to a line through the center of the log. Cathedral and straight grained patterns result. The individual pieces of veneer are kept in the order they are sliced, permitting a natural grain progression when assembled as veneer faces.

Species	Maple
Cut	Plain sliced
Grade description	A
COLOR AND MATCHING	White
Sapwood	Yes
Heartwood	No
Color streaks or spots	Slight
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Plain sliced
of face components	4" (102 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
– Combined average number	(0.25 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 8 sq. ft.
– Average number	(0.74 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight
Bark pockets	No
Worm tracks	Slight
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending

ADAPTED FROM HPVA LATEST EDITION.

Plain sliced

···Book and running match



MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding

two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding a maximum continuity of grain. Book matching is used with rotary, plain

sliced, quarter, rift cut or comb grain veneers.

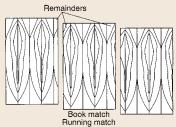
Barber pole effect in book match

Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

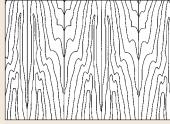
ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH







WHITE Maple

18

The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





VENEER SUMMARY TABLE

QUARTER CUT

A series of stripes is produced. These stripes vary in width from species to species. A natural distribution of ray fleck (flake) is a characteristic of this cut in red and white oak.

Species	Maple
Cut	Quarter Cut
Grade description	A
COLOR AND MATCHING	White
Sapwood	Yes
Heartwood	No
Color streaks or spots	Slight
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Quarter Cut
of face components	3" (76 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
 Combined average number 	(0.25 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 8 sq. ft.
– Average number	(0.74 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight
Bark pockets	No
Worm tracks	Slight
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending

ADAPTED FROM HPVA LATEST EDITION.

04/2013

Quarter cut…



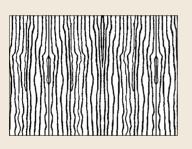
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

Barber pole effect in book match

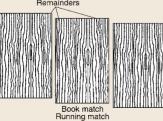
Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified. Remainders

RUNNING MATCH

Non-symmetrical appearance in any single door face. Veneer pieces of unequal width. Each face is assembled from as many veneer pieces as necessary.



· Book and running match





16

The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





01/2010

VENEER SUMMARY TABLE

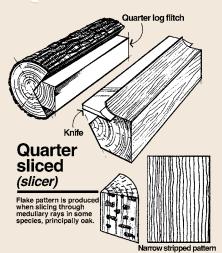
QUARTER CUT

A series of stripes is produced. These stripes vary in width from species to species. A natural distribution of ray fleck (flake) is a characteristic of this cut in red and white oak.

Species Cut Grade description COLOR AND MATCHING	Maple Quarter Cut
Grade description	Quarter out
	A
CULUN AND MAICHING	White
Sapwood	Yes
Heartwood	No
Color streaks or spots	Slight
Color variation	Slight
Sharp color contrasts at joints	Yes
TYPE OF MATCHING	
Book matched	Specify
Continuous matched (transom)	Specify
Slip matched	Yes
Random matched	Specify
Nominal minimum width	Quarter Cut
of face components	3" (76 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
 Combined average number 	(0.25 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 8 sq. ft.
– Average number	(0.74 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight
Bark pockets	No
Worm tracks	Slight
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending

ADAPTED FROM HPVA LATEST EDITION.

Quarter cut…



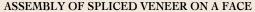
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

SLIP MATCH

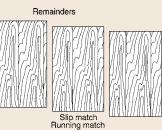
Adjoining pieces of veneer are placed in sequence without turning over every other piece. The grain figure repeats, but joints won't show mirrored effect. Slip matching is often used in quarter cut, rift cut and comb grain veneers to minimize the barber pole effect.



The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH

Non-symmetrical appearance in any single door face. Veneer pieces of unequal width. Each face is assembled from as many veneer pieces as necessary.





Slip and running match



28

The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





10/2008

VENEER SUMMARY TABLE

FLAT CUT (PLAIN SLICED)

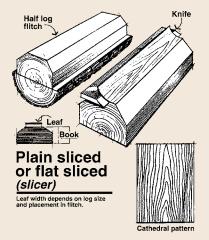
Slicing is done parallel to a line through the center of the log. Cathedral and straight grained patterns result. The individual pieces of veneer are kept in the order they are sliced, permitting a natural grain progression when assembled as veneer faces.

Species	Ash
Cut	Plain sliced
Grade description	A
COLOR AND MATCHING	White
Sapwood	Yes
Heartwood	No
Color streaks or spots	Slight
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Plain sliced
of face components	4" (102 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
 Combined average number 	(0.25 sq. m))
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 8 sq. ft.
– Average number	(0.74 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight
Bark pockets	No
Worm tracks	Slight
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending

ADAPTED FROM HPVA LATEST EDITION.

Plain sliced

"Book and running match



MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding

rorea image pattern at the joint line, yielding a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

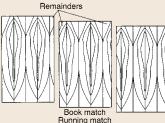
Barber pole effect in book match

Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified. Remainders

RUNNING MATCH







30

The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





10/2008

VENEER SUMMARY TABLE

QUARTER CUT

A series of stripes is produced. These stripes vary in width from species to species. A natural distribution of ray fleck (flake) is a characteristic of this cut in red and white oak.

Species	Ash
Cut	Quarter
Grade description	A
COLOR AND MATCHING	White
Sapwood	Yes
Heartwood	No
Color streaks or spots	Slight
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Quarter
of face components	3" (76 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
– Combined average number	(0.25 sq. m))
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 8 sq. ft.
– Average number	(0.74 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight
Bark pockets	No
Worm tracks	Slight
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
-	Small blending

ADAPTED FROM HPVA LATEST EDITION.

Quarter cut…



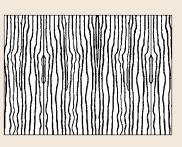
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

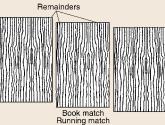
Barber pole effect in book match

Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified. Remainders

RUNNING MATCH





AFRICAN Mahogany

Kaya

VENEER SUMMARY TABLE

FLAT CUT (PLAIN SLICED)

Slicing is done parallel to a line through the center of the log. Cathedral and straight grained patterns result. The individual pieces of veneer are kept in the order they are sliced, permitting a natural grain progression when assembled as veneer faces.

Species	African Mahogany
Cut	Plain sliced
Grade description	A
COLOR AND MATCHING	
Sapwood	No
Heartwood	Yes
Color streaks or spots	Slight
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Plain sliced
of face components	4" (102 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
- Combined average number	(0.25 sq. m))
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 8 sq. ft.
– Average number	(0.74 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
- Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight
Bark pockets	No
Worm tracks	No
Vine marks	Slight
Cross bars	Occasional
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending

ADAPTED FROM HPVA LATEST EDITION.

The beauty

32

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.

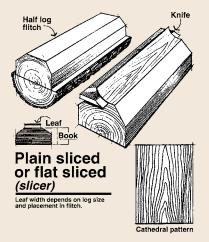




10/2008

Plain sliced

[.] Book and running match



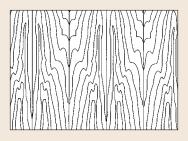
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

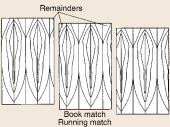
Barber pole effect in book match

Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH





AMERICAN BLACK Walnut

36

The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





10/2008

VENEER SUMMARY TABLE

FLAT CUT (PLAIN SLICED)

Slicing is done parallel to a line through the center of the log. Cathedral and straight grained patterns result. The individual pieces of veneer are kept in the order they are sliced, permitting a natural grain progression when assembled as veneer faces.

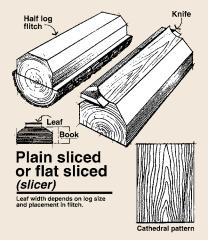
Species	Walnut
Cut	Plain sliced
Grade description	A
COLOR AND MATCHING	Λ
Sapwood	Yes / No *
Heartwood	Yes
Color streaks or spots	Slight
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	110
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Plain sliced
of face components	4" (102 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 1.33 sq. ft.
- Combined average number	(0.13 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 1.8 sq. ft.
– Average number	(0.17 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight
Bark pockets	No
Worm tracks	No
Vine marks	Occasional
Cross bars	Occasional
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending
* Perceptage of sanwood may be permitted	l in this grada

* Percentage of sapwood may be permitted in this grade.

ADAPTED FROM HPVA LATEST EDITION.

Plain sliced

^{..} Book and running match



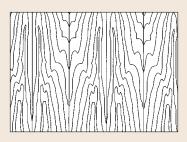
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

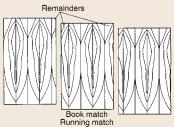
Barber pole effect in book match

Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH







38

The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





10/2008

VENEER SUMMARY TABLE

FLAT CUT (PLAIN SLICED)

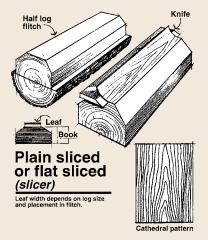
Slicing is done parallel to a line through the center of the log. Cathedral and straight grained patterns result. The individual pieces of veneer are kept in the order they are sliced, permitting a natural grain progression when assembled as veneer faces.

Species	Beech
Cut	Plain sliced
Grade description	A
COLOR AND MATCHING	White
Sapwood	Yes
*	No
Heartwood	
Color streaks or spots	Slight
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	V
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Plain sliced
of face components	4" (102 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 2.69 sq. ft.
 Combined average number 	(0.25 sq. m))
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 8 sq. ft.
– Average number	(0.74 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight
Bark pockets	No
Worm tracks	Slight
Vine marks	Slight
Cross bars	Slight
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending

ADAPTED FROM HPVA LATEST EDITION.

Plain sliced

· Book and running match



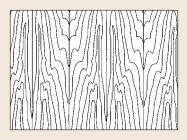
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

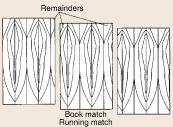
Barber pole effect in book match

Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH





Cherry

The beauty

34

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





10/2008

VENEER SUMMARY TABLE

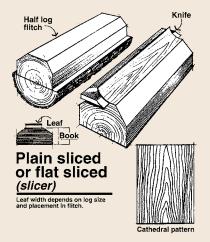
FLAT CUT (PLAIN SLICED)

Slicing is done parallel to a line through the center of the log. Cathedral and straight grained patterns result. The individual pieces of veneer are kept in the order they are sliced, permitting a natural grain progression when assembled as veneer faces.

Species	Cherry
Cut	Plain sliced
Grade description	A
COLOR AND MATCHING	
Sapwood	Yes / No *
Heartwood	Yes
Color streaks or spots	Slight
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Plain sliced
of face components	4" (102 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 1.33 sq. ft.
- Combined average number	(0.13 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 1.8 sq. ft.
– Average number	(0.17 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	N.
- Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired Mineral streaks	No
	Slight No
Bark pockets Worm tracks	No
Vine marks	Occasional
Cross bars	Occasional
MANUFACTURING CHARACTERISTICS	Occasional
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending
SPECIAL CHARACTERISTICS	
Gum spots	Occasional
* Percentage of sapwood may be permitted	
ADAPTED FROM	
HPVA LATEST EDITION.	

Plain sliced

••Book and running match



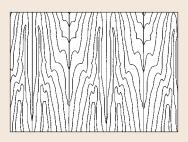
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

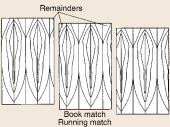
Barber pole effect in book match

Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH







The beauty

and character of wood

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.





02/2010

VENEER SUMMARY TABLE

A series of stripes is produced. These stripes vary in width from species to species. A natural distribution of ray fleck (flake) is a characteristic of this cut in red and white oak.

Species	Cherry
Cut	Quarter
Grade description	Α
COLOR AND MATCHING	
Sapwood	Yes / No *
Heartwood	Yes
Color streaks or spots	Slight
Color variation	Slight
Sharp color contrasts at joints	No
TYPE OF MATCHING	
Book matched	Yes
Continuous matched (transom)	Specify
Slip matched	Specify
Random matched	Specify
Nominal minimum width	Quarter
of face components	3" (76 mm)
NATURAL CHARACTERISTICS	
Small conspicuous burls and pin knots	1 per 1.33 sq. ft.
– Combined average number	(0.13 sq. m)
Conspicuous burls – Maximum size	3/8" (9.5 mm)
Conspicuous pin knots	1 per 1.8 sq. ft.
– Average number	(0.17 sq. m)
– Maximum size: dark part	1/8" (3 mm)
– Maximum size: total	1/4" (6 mm)
Scattered sound and repaired knots	
– Combined average number	No
– Maximum size – Sound	No
– Maximum size – Repaired	No
– Average number – Repaired	No
Mineral streaks	Slight
Bark pockets	No
Worm tracks	No
Vine marks	Occasional
Cross bars	Occasional
MANUFACTURING CHARACTERISTICS	
Rough cut	No
Blended repaired tapering	Two 1/16" x 6"
hairline splits	(1.6 mm x 152 mm)
Repairs	Small blending

* Percentage of sapwood may be permitted in this grade.

ADAPTED FROM HPVA LATEST EDITION.

<u>Juarter cut</u>...

"Book and running match



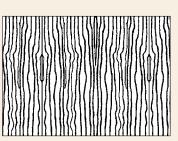
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH

The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding



a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

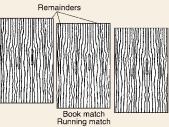
Barber pole effect in book match

Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

RUNNING MATCH







COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

Glossary

– B –

Barber Pole	An effect in book matching of veneers resulting from tight and loose sides of veneers having different light reflections when finished.
Bark Pocket	Comparatively small area of bark around which normal wood has grown.
Burl	A swirl, twist or distortion in the grain of the wood which usually occurs near a knot or crotch. A burl can often be associated with abrupt color variation and/or a cluster of adventitious buds.
Burl, Bending	A swirl, twist or distortion in the grain of the wood which usually occurs near a knot or crotch but does not contain a knot and does not contain abrupt color variation. A bending burl is detectable at 6 ft. to 8 ft. (1.8 m to 2.4 m) as a swirl or rounded.
	- C -
Comb Grain	Restricted to red and white oak. This is a rift cut veneer distinguished by the tightness and straightness of the grain along the entire length of the veneer. Slight angle in the grain is allowed. There are occasional cross bars and minimal ray fleck (flake). Availability is limited.
Cross Bar	Irregularity of grain resembling a dip in the grain running at right angles, or nearly so, to the length of the veneer.
	— F —
Face Veneer	The outermost exposed wood veneer surface of a veneered wood door.
Flake	See Fleck, Ray.
Fleck, Ray	Portion of a ray as it appears on the quartered surface. Fleck can have a dominant appearance feature in oak and is sometimes referred to as flake.
	- G -
Gum Pockets	Well-defined opening between rings of annual growth, containing gum or evidence of prior gum accumulations.
Gum Spots & Streaks	Gum or resinous material of color spots caused by prior resin accumulations sometimes found on panel surfaces.
	- H -
Hairline	Thin, perceptible line showing at the joint of two pieces of wood.
Heartwood	The nonactive center of a tree generally distinguishable from the outer portion (sapwood) by its darker color.
Holes, Worm	Holes resulting from infestation by worms greater than 1/16 inch (1.6 mm) in diameter and not exceeding 5/8 inch (16 mm) in length.
	— К —
Knot	Cross section of tree branch or limb with grain usually running at right angles to that of the piece of wood in which it occurs.
Knot Holes	Voids produced by dropping of knots from the wood in which they were originally embedded.
Knots, Pin	Sound knots 1/4 inch (6 mm) or less in diameter containing dark centers.
Knots, Sound, Tight	Knots that are solid across their face and fixed by growth to retain their place.



Glossary (cont'd)

	- M -
Mineral Stain	Olive and greenish-black streaks believed to designate areas of abnormal concentration of mineral matter; common in hard maple, hickory, and basswood: also called "Mineral Streak".
Mineral Streaks	See "Mineral Stain".
	– P –
Plain Sliced	Flat cut. Slicing is done parallel to a line through the center of the log. Cathedral and straight grained patterns result. The individual pieces of veneer are kept in the order they are sliced, permitting a natural grain progression when assembled as veneer faces.
	- Q -
Quarter Cut	A series of stripes is produced. These stripes vary in width from species to species. A natural distribution of ray fleck (flake) is a characteristic of this cut in red and white oak.
	- R -
Ray	Ribbon-shaped strand of tissue extending in a radial direction across the grain, so oriented that the face of the ribbon is exposed as a fleck on the quarter surface. Also know as "Wood Ray".
Repairs	A patch, shim, or filler material inserted and/or glued into veneer or a panel to achieve a sound surface.
Repairs, Blending	Wood or filler insertions similar in color to adjacent wood so as to blend well.
Rift Cut	The cut slices slightly across the medullary rays, accentuating the vertical grain and minimizing the ray fleck (flake). Rift grain is restricted to red and white oak.
Rotary Cut	This cut follows the log's annual growth rings, providing a generally bold random appearance.
Rough Cut	Irregular shaped areas of generally uneven corrugation on the surface of veneer.
	- S -
Sapwood	The living wood of lighter color occurring in the outer portion of a tree.
Slight	Visible on observation, but does not interfere with the overall aesthetic appearance.
	- V -
Vine Streaks (Mark.)	Scars in the wood generally caused by the stems of clinging vines or by their hair-like roots which cling to the tree trunk. Live vine streaks produce sound scars. Dead vine streaks contain either dead residue of the vine, or the remaining pocket similar to bark pocket. Most vine streaks run across the grain, and therefore, all vine streaks are considered defects in accordance with restrictions described in these rules.
	– w –
Worm Track or Scar	The groove or resulting scar tissue in the wood caused by worms or other borers.

Source : WDMA I.S. 1A-97, used by permission of the Window & Door Manufacturers Association

Find a complete printable version of this glossary on our Website **www.lambtondoors.com**

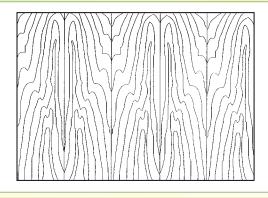
2 **BETWEEN LEAVES**

THERE are three types of matching in specifying panel products.

- Matching between leaves (page 2)
- Matching within a face (page 3)
- Matching between panels

Each of these must be specified and, when possible, shown on the design drawings.

BOOK MATCHING



BOOK MATCHING Figure 200-15 from AWI Ouality Standards Illustrated, Seventh Edition.

The most commonly used match in the industry is where every other leaf of veneer is turned over, like the pages of a book. Thus the grain is mirrored in each adjacent leaf. The visual effect created is that veneer joints match, creating a symmetrical pattern. This type of matching yields maximum continuity of grain. When sequenced panels are specified, prominent characteristics will "ascend" or "descend" across the match as the leaves progress from panel to panel.

Book matching may be used with plain, quarter or rift sliced veneers. Because the "tight" and "loose" faces alternate in adjacent leaves, they reflect light and accept stain differently, and this may yield a noticeable color variation in some species or flitches.

SLIP MATCHING

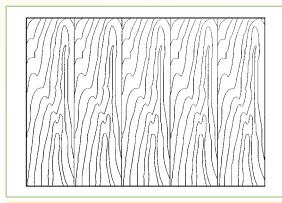
Often used with quarter sliced and rift sliced veneers, this is the process in which a sequence of matching veneer leaves or consecutive sheets of veneer are slipped out one after the next, to form the face of a panel product. This results in all the same face sides being exposed. The visual effect shows a grain figure repeating, but joints do not show grain match.

The lack of grain match at the joints with slip matching can be desirable. The relatively straight grain patterns of quartered and rift veneer generally produce pleasing results and a uniformity of color because all faces have the same light refraction. This is in contrast to book matching where alternating leaves are turned over.

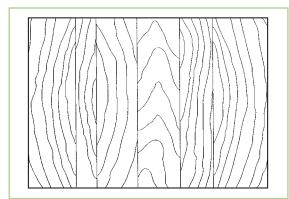
RANDOM MATCHING

Veneer leaves are placed next to each other in a random order and orientation and randomly spliced edge to edge, producing a "board-by-board" effect in many species. This produces a casual or rustic appearance, as though individual boards from a random pile were applied to the product. Conscious effort is made to mismatch grain at joints.

Degrees of contrast and variation may change from panel to panel. This match is more difficult to obtain than Book or Slip Match, and must be clearly specified and detailed.



SLIP MATCHING Figure 200-16 from AWI Quality Standards Illustrated, Seventh Edition.



RANDOM MATCHING Figure 200-17 from AWI Quality Standards Illustrated, Seventh Edition.

WITHIN A FACE

THE individual leaves of veneer in a sliced flitch increase or decrease in width as the slicing progresses. Thus, if a number of panels are manufactured from a particular flitch, the number of veneer leaves per panel face will change as the flitch is utilized. The manner in which these leaves are "laid up" within the panel can be classified as follows:

RUNNING MATCH

In a Running Match each panel face is assembled from as many veneer leaves as necessary so that the widths and number of matching veneer leaves are not requirements. This can produce a match which appears less even or random and asymmetrical. Running matches are seldom "sequenced and numbered" for use as adjacent panels. Horizontal grain "match" or sequence cannot be expected.

BALANCE MATCH

In a Balance Match the width of each veneer leaf in a panel face is the same. Panels may contain an even or odd number of leaves, and distribution may change from panel to panel within a sequenced set.

CENTER BALANCE MATCH

In a Center Balance Match an even number of equal width veneer leaves makes up the panel face. This produces horizontal symmetry. A small amount of figure is lost in the process.

SPECIAL MATCHES

Special matches can include names such as box, diamond, basket weave, sunburst and reverse diamond, reverse box and checkerboard match. Because there are not standardized names for these matches, it is strongly recommended that the design professional include both names and drawings for the match to be sure the desired match is achieved.

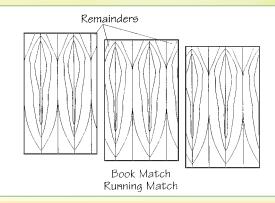
MATCHING OF SKETCH FACES

10/2008

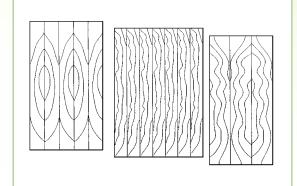
In this procedure the layout of veneer follows a sketch or design. These include inlays of various woods, borders, frames, imitations of stiles and rails and curved inlay shapes. The design professional should work closely with the woodworker and veneer supplier to make sure design intentions are realized.



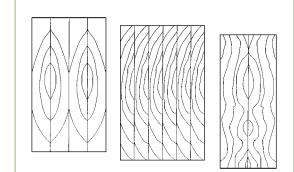
COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER Used by permission of the Architectural Woodwork Institute 1952 Isaac Newton Square West Reston, VA 20190 Phone: 703-733-0684 Fax: 703-733-0684 Website: www.awinet.org



RUNNING MATCH Figure 200-20 from AWI Quality Standards, Seventh Edition.



BALANCE MATCH Figure 200-21 from AWI Quality Standards, Seventh Edition.



BALANCE AND CENTER MATCH Figure 200-22 from AWI Quality Standards, Seventh Edition.



COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

lanufacturing KUCK

be manufacturing of veneer and plywood starts with the selection of the log. Only a certain percentage of logs are suitable for veneer. A log must meet specific grade requirements, be of certain diameter and depending upon its intended use, may have other desirable characteristics. After transport to the mill, logs are cut to the correct length and stripped of their bark. They are then placed in steam baths for softening before being cut into veneer. The next stage, opening the log, is the most exciting. The pattern of the grain and the natural beauty or "character" marks that are inside the log will be uncovered during this step.

How the patterns unfold depends on the method of cutting. Veneer may be cut in one of five basic ways. The most commonly produced veneers are rotary and plain sliced.

Claim compliance criteria

A 5% tolerance on any given order or shipment is customary: 95% must meet or exceed minimum requirements and, thus, no more than 5% of the order may be below grade. Should you think that there are grounds for making a claim, first contact your supplier. In most cases the grade will be clarified and the matter resolved. The following is provided as guidance to determine grounds for a claim:

- All complaints regarding the quality of a shipment should be made within 15 days from receipt of the product.
- The purchaser must report any defects at the point of processing at which detection of the defects is first noticeable, and before any further processing is completed.
- If the grade of the shipment is in dispute, a reinspection by a LAMBTON DOORS representative may be requested.
- If the shipment is more than 5% below grade, the buyer does not have to accept those doors which, as a result of the reinspection, are considered to be below grade, but should accept the balance of the shipment as invoiced.
- The responsibility of the seller is limited to the replacement of, or the cost of, defective materials as specified in the original purchase agreement.

10/2008



TECHNOLOGY DESIGN ENVIRONMENT

C. Français

Visit our Website

www.lambtondoors.com



Subscribe to our Newsletter, click here Canada USA



Watch our **Corporate Video**



AMBTON

2216-11-16-10-16,21 GOING FORWARD (1) LAMBTON DOORS NEW LAMETON GOORS sourceas as NEW CORPORATE LOOK and

over the next year ive will be gradually updating our identiture with the new logistype and corporate image. Our inspiration in developing this new CONTEMPORARY AND MODERN (suite)

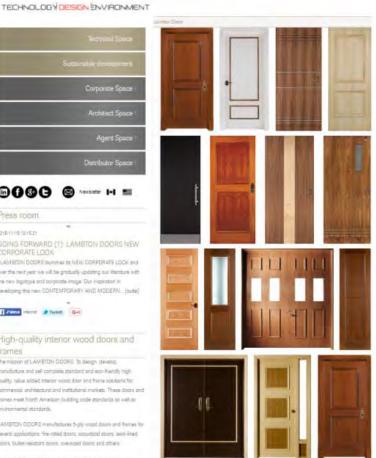
Talma insons @ Tweet. Get

High-quality interior wood doors and frames

The mission of LAMSTON COORS. Th design, develop, manufacture and sell complete standard and eco-friendly high quality, value added interior wood door and frame solutions for operation architectural and institutional markets. These doors and frames meet North American building code grandants as well as environmental standarde.

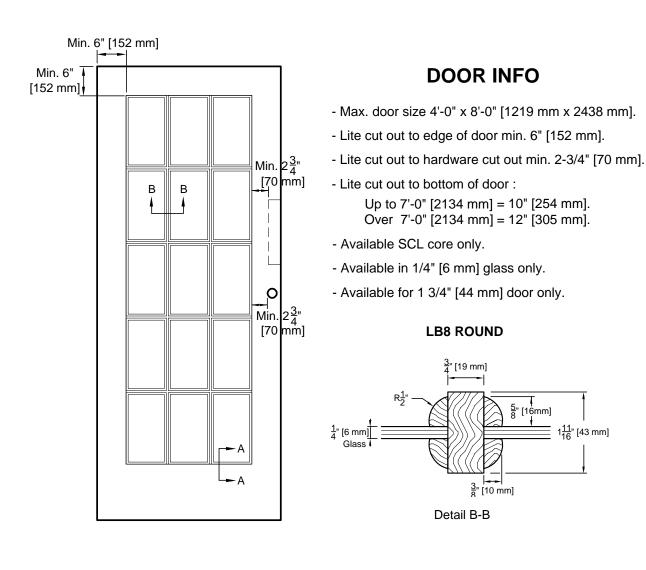
LAMBTON DDDRS menufactures 5-ply wood doors and frames for several applications fire-rated doors accurtized doors land-lined doors, builet-realizant doors, oversized doors and others.

Ar LAMETON DOORS, we believe in a transformed built

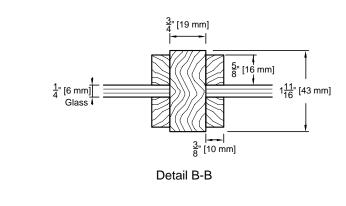


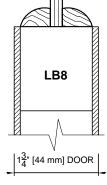
NON RATED FRENCH DOOR











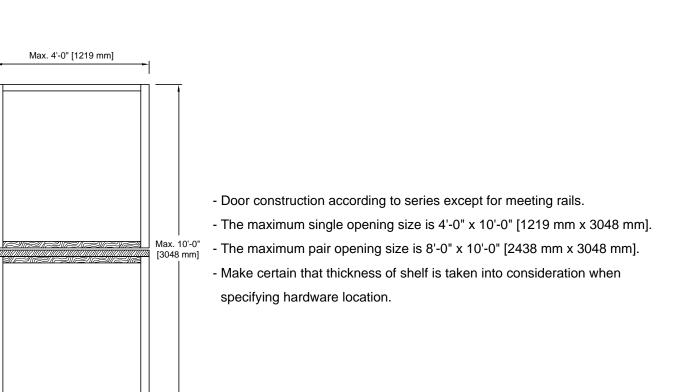
¹/₄" [6 mm] Glass

Detail A-A

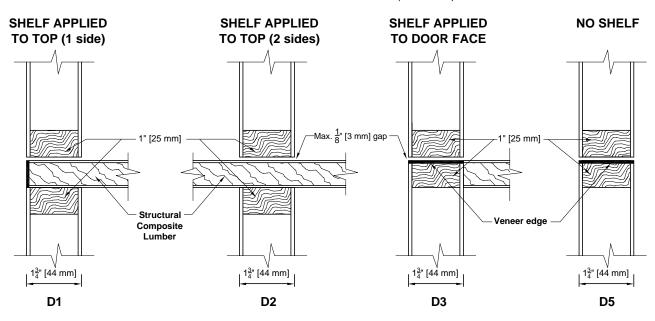


Can. : 1.800.463.3124

NON RATED DUTCH DOOR



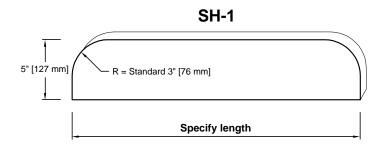
DUTCH DETAILS (After trim)

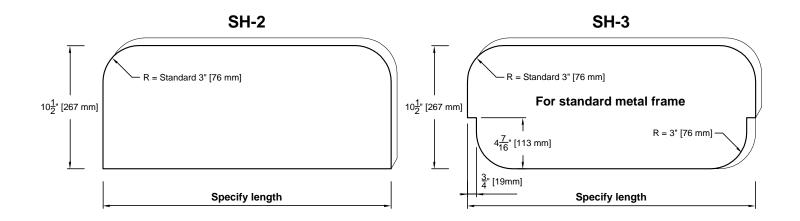


STANDARD SHELF DETAILS WITH MACHINING

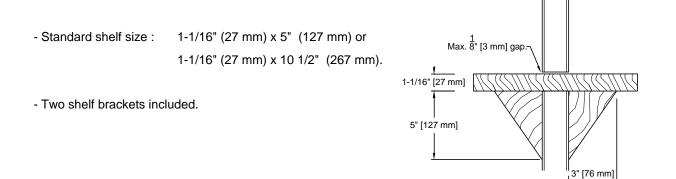


U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124





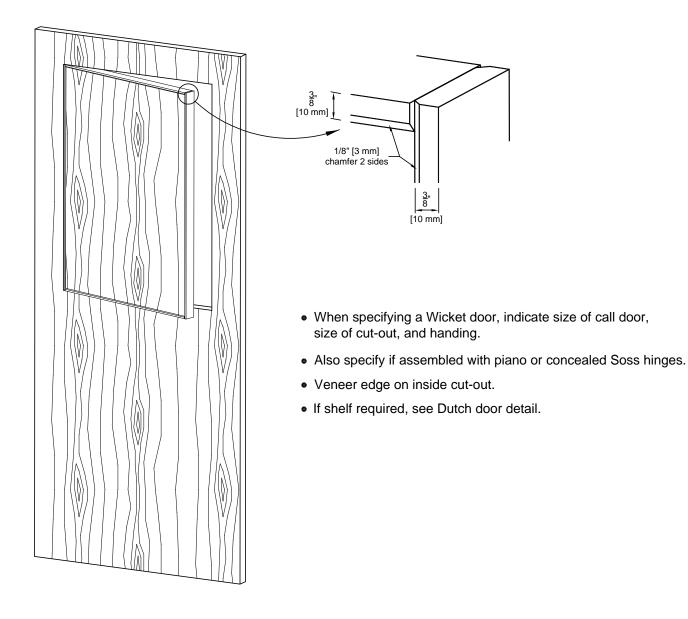
FOR OTHERS DETAILS, CALL CUSTOMER SERVICE.





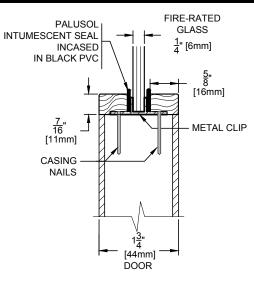
Can. : 1.800.463.3124

WICKET DOOR FOR MODELS 5-LSL-ME or 7-LSL-ME





LITE BEADS ACOUSTICAL DOOR STC 27 & 31 20 MINUTE FIRE-RATED



LB7-20 (NEUTRAL OR POSITIVE PRESSURE)

MAXIMUM SIZE 1296 sq. in. (0.836 sq. m.) STC RATING WILL BE AFFECTED

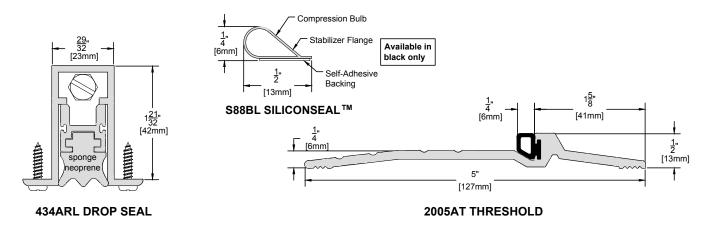
INSTALLATION INSTRUCTIONS FOR FIELD GLAZING ACOUSTICAL DOOR STC 27 & 31 20 MINUTE FIRE-RATED

- 1. METAL CLIPS. Insert the metal clips on the 4 sides of the fire-rated glass. 2 clips minimum are required per side. Position the first clips at 9" (229 mm) maximum from each glass corners. Maximum spacing between all clips is 18" (457 mm).
- 2. GLASS. Install the glass, with its metal clips, into the door opening. Fix the glass to the opening using casing nails of gage 23 x 1-1/4" (32 mm) directly in the metal clips.
- 3. SILICON CAULK. Apply $\frac{1}{3}$ " (3 mm) of silicon caulk on the joint of the glass perimeter with the door core.
- 4. INTUMESCENT SEAL. Apply Palusol auto-adhesive intumescent seal (incased in black PVC) on one of the 4 glass side. Be sure the seal is PERFECTLY ALIGNED with the glass edge meaning that no glass is uncovered along the edge. Apply a second seal perpendicular to the first one and be sure that both adjoining extremities, 90 degrees cutted, fit perfectly together with no glass uncovered. Do the same with the two other sides of the glass.
- WOOD BEADS. Install wood beads using casing nails of gage 23 x 1-1/4" (32 mm). A minimum of 2 nails are required per bead. Firmly tighten the bead against the intumescent seal before nailing. Maximum spacing between each nails is 12" (305 mm).
- 6. Repeat steps 2 (casing nails), 3, 4 and 5 on the other side of the door.



HARDWARE, FRAME AND ASTRAGAL ACOUSTICAL DOOR STC27 & STC31

REQUIRED HARDWARE



FIELD MEASUREMENTS

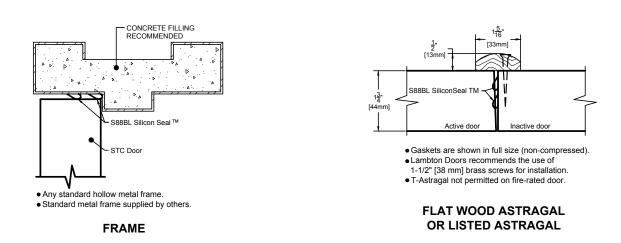
Lambton Doors will not be responsible for field measurements.

All STC doors must be undersized 9/16" (14 mm) in total from frame height after finished floor AFF).

Eg. frame 7'0" (2134 mm):

- Top of door to frame less 1/8" (3 mm)
- Bottom of door to threshold less 3/16" (5 mm)
- Total door to frame difference after finished floor (AFF) less 9/16" (14 mm)

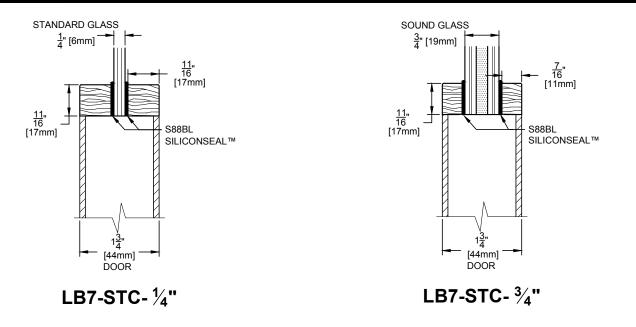
Acoustical door width may be calculated by subtracting 1/4" (6 mm) from inside jamb measurement.



REQUIRED FRAME AND ASTRAGAL



LITE BEADS ACOUSTICAL DOOR STC 27, 31 & 35 NON FIRE-RATED



MAXIMUM SIZE 1296 sq. in. (0.836 sq. m.) STC RATING WILL BE AFFECTED

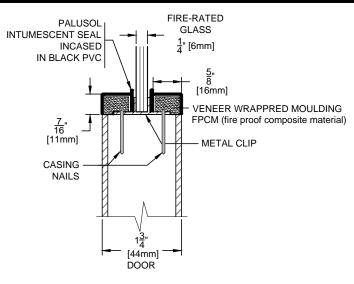
INSTALLATION INSTRUCTIONS FOR FIELD GLAZING ACOUSTICAL DOOR STC 27 , 31 & 35 NON FIRE-RATED

Lite beads that are firmly pre-installed in the factory, on one side of the door, are not to be removed. You must remove the lite beads on the other side of the door. Although they are also pre-installed in the factory you will notice that they can be easily removed.

- 1. Apply the self-adhesive S88BL SiliconSeal[™] directly on the mouldings that are firmly pre-installed in the factory.
- 2. Apply 1/8" (3 mm) bead of silicon caulk on the joint of the self-adhesive S88BL SiliconSeal [™] and the door core.
- 3. Install the glass and press firmly against the silicon caulk.
- 4. Apply the self-adhesive S88BL SiliconSeal[™] to the perimeter of the glass.
- 5. Apply 1/8" (3 mm) bead of silicon caulk on the joint of the self-adhesive S88BL SiliconSeal ™ and the door core.
- 6. Re-install firmly against the silicone caulk the second lite beads using the pre-machined holes.
- 7. Install lite beads using casing nails of gage 23 x 1-1/4" (32 mm). A minimum of 2 nails are required per bead. Position the first nails no closer than 2" (51 mm) from corners. Maximum spacing between all nails is 12" (305 mm).



LITE BEADS ACOUSTICAL DOOR STC 32-90 & 35-90 90 MINUTE FIRE-RATED



LB7-90P (POSITIVE or NEUTRAL PRESSURE)

MAXIMUM SIZE 1296 sq. in. (0.836 sq. m.) STC RATING WILL BE AFFECTED TEMPERATURE RISE DOOR APPLICATION LIMITED TO 100 sq. in (0.065 sq. m.)

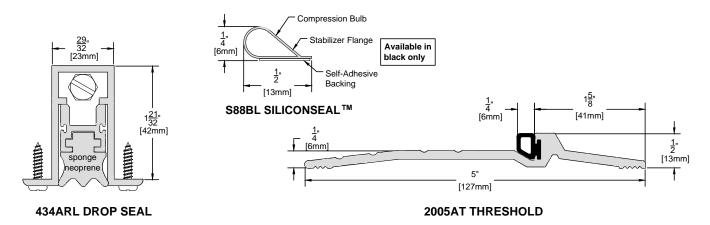
INSTALLATION INSTRUCTIONS FOR FIELD GLAZING ACOUSTICAL DOOR STC 32-90 AND 35-90 90 MINUTES FIRE RATED

- 1. INTUMESCENT SEAL. Be sure that the factory pre-installed intumescent seal is fixed in the groove of the door opening.
- 2. METAL CLIPS. Insert the metal clips on the 4 sides of the fire-rated glass. Position the first clips at 2" (51 mm) maximum from each glass corners. 2 clips minimum are required per side. Maximum spacing between all clips is 2" (51 mm).
- 3. GLASS. Install the glass, with its metal clips, into the door opening. Fix the glass to the opening using casing nails of gage 23 x 1-1/4" (32 mm) directly in the metal clips.
- 4. SILICON CAULK. Apply $\frac{1}{8}$ " (3 mm) of silicon caulk on the joint of the glass perimeter with the door core.
- 5. INTUMESCENT SEAL. Apply Palusol auto-adhesive intumescent seal (incased in black PVC) on one of the 4 glass side. Be sure the seal is PERFECTLY ALIGNED with the glass edge meaning that no glass is uncovered along the edge. Apply a second seal perpendicular to the first one and be sure that both adjoining extremities, 90 degrees cutted, fit perfectly together with no glass uncovered. Do the same with the two other sides of the glass.
- WOOD BEADS. Install wood beads using casing nails of gage 23 x 1-1/4" (32 mm). A minimum of 2 nails are required per bead. Firmly tighten the bead against the intumescent seal before nailing. Maximum spacing between each nails is 12" (254 mm).
- 7. Repeat steps 3 (casing nails), 4, 5 and 6 on the other side of the door.



HARDWARE, FRAME AND ASTRAGAL ACOUSTICAL DOOR STC 32-90 min & STC35-90 min

REQUIRED HARDWARE



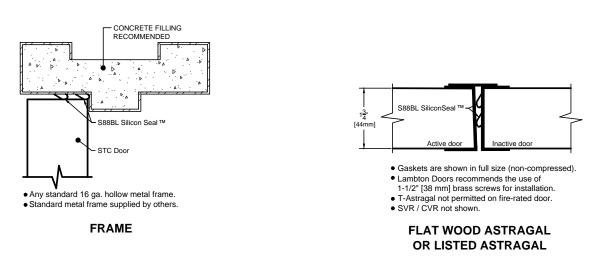
FIELD MEASUREMENTS

Lambton Doors will not be responsible for field measurements.

All STC doors must be undersized 9/16" (14 mm) in total from frame height after finished floor (AFF).

- Eg. frame 7'0" (2134 mm):
- Top of door to frame less 1/8" (3 mm)
- Bottom of door to threshold less 3/16" (5 mm)
- Total door to frame difference after finished floor (AFF) less 9/16" (14 mm)

Acoustical door width may be calculated by subtracting 1/4" (6 mm) from inside jamb measurement.

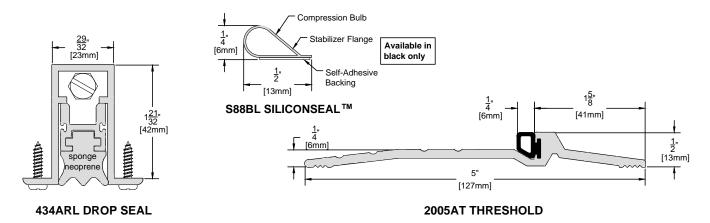


REQUIRED FRAME AND ASTRAGAL



HARDWARE, FRAME AND ASTRAGAL ACOUSTICAL DOOR STC35, STC37, STC43 & STC44

REQUIRED HARDWARE



FIELD MEASUREMENTS

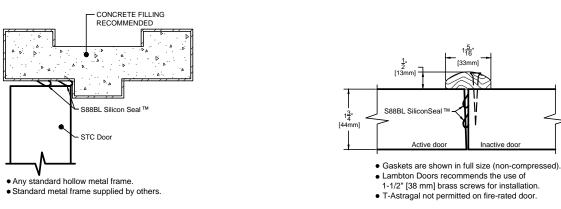
Lambton Doors will not be responsible for field measurements.

All STC doors must be undersized 9/16" (14 mm) in total from frame height after finished floor (AFF).

Eg. frame 7'0" (2134 mm):

- Top of door to frame less 1/8" (3 mm)
- •Bottom of door to threshold less 3/16" (5 mm)
- Total door to frame difference after finished floor (AFF) less 9/16" (14 mm)

Acoustical door width may be calculated by subtracting 1/4" (6 mm) from inside jamb measurement.



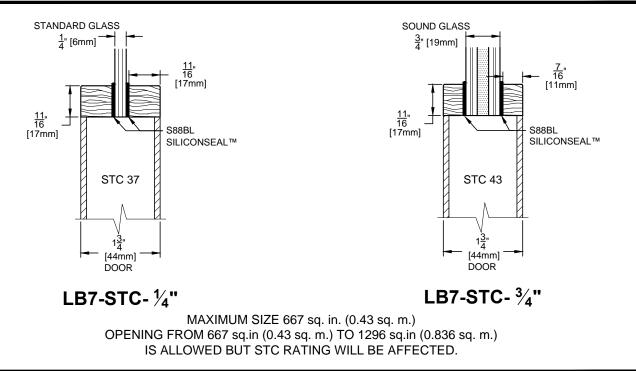
REQUIRED FRAME AND ASTRAGAL

FRAME

FLAT WOOD ASTRAGAL



LITE BEADS ACOUSTICAL DOOR STC 37 & 43 NON FIRE-RATED



INSTALLATION INSTRUCTIONS FOR FIELD GLAZING ACOUSTICAL DOOR STC 37 & 43 NON FIRE-RATED

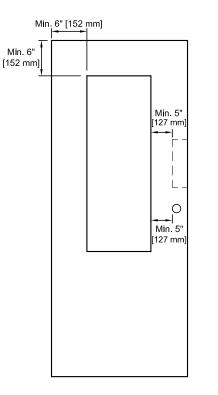
Lite beads that are firmly pre-installed in the factory, on one side of the door, are not to be removed. You must remove the lite beads on the other side of the door. Although they are also pre-installed in the factory you will notice that they can be easily removed.

- 1. Apply the self-adhesive S88BL SiliconSealTM directly on the mouldings that are firmly pre-installed in the factory.
- 2. Apply 1/8" (3 mm) bead of silicon caulk on the joint of the self-adhesive S88BL SiliconSeal ™ and the door core.
- 3. Install the glass and press firmly against the silicon caulk.
- 4. Apply the self-adhesive S88BL SiliconSeal[™] to the perimeter of the glass.
- 5. Apply 1/8" (3 mm) bead of silicon caulk on the joint of the self-adhesive S88BL SiliconSeal ™ and the door core.
- 6. Re-install firmly against the silicone caulk the second lite beads using the pre-machined holes.
- 7. Install lite beads using casing nails of gage 23 x 1-1/4" (32 mm). A minimum of 2 nails are required per bead. Position the first nails no closer than 2" (51 mm) from corners. Maximum spacing between all nails is 12" (305 mm).



U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124 sales@lambtondoors.com

LITE CUT OUT FOR STC DOOR INCLUDING STC37 AND STC43 LABEL



DOOR INFO

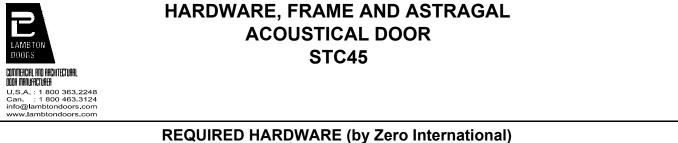
- Max. door size 4'-0" x 8'-0" [1219 mm x 2438 mm].
- Lite cut out to edge of door min. 6" [152 mm].
- Lite cut out to hardware cut out min. 5" [127 mm].
- Lite cut out to lite cut out min. 6" [152 mm].

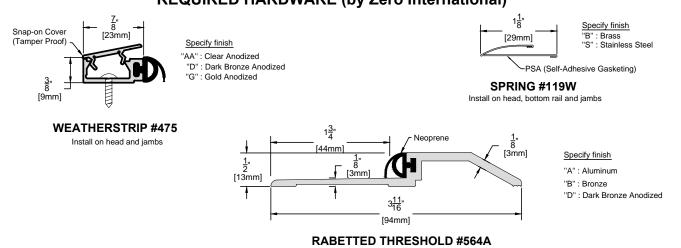
LITE INFO

• USING LB7 STC-37 or LB7 STC-43 BEADS

- Max. size 667 sq. in. (0.43 sq.m.) to maintain rating.
- See installation instructions.

If lite exceeds 667 sq. in., (0.43 sq.m.), STC rating WILL NOT BE GUARANTEED.





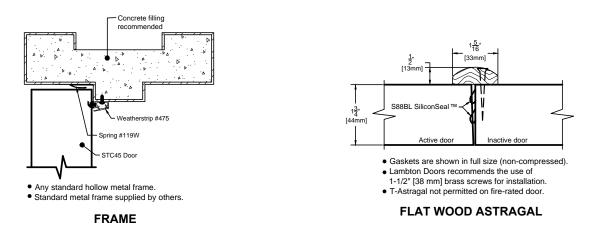
FIELD MEASUREMENTS

Lambton Doors will not be responsible for field measurements.

All STC doors must be undersized 1/2" (13 mm) in total from frame height after finished floor (AFF).

- Eg. frame 7'0" (2134 mm):
- Top of door to frame less 1/8" (3 mm)
- Bottom of door to threshold less 3/8" (10 mm)
- Total door to frame difference after finished floor (AFF) less 1/2" (13 mm)

Acoustical door width may be calculated by subtracting 1/4" (6 mm) from inside jamb measurement.



REQUIRED FRAME AND ASTRAGAL



TECHNOLOGY DESIGN ENVIRONMENT

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com

HARDWARE AND FRAME ACOUSTICAL DOOR STC45

Alternative Acoustical Kits: Pemko PDP411, ACP112, S44 & S773

FIELD MEASUREMENTS

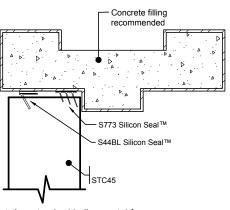
Lambton Doors will not be responsible for field measurements.

All STC doors must be undersized 1/2" (13 mm) in total from frame height after finished floor AFF).

Eg. frame 7'0" (2134 mm):

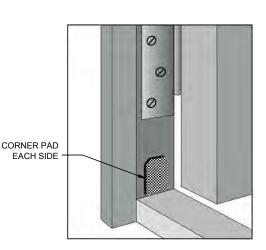
- Top of door to frame less 1/8" (3 mm)
- Bottom of door to finish floor less 3/8" (10 mm) maximum.
- Total door to frame difference after finished floor (AFF) less 1/2" (12 mm)

Acoustical door width may be calculated by subtracting 1/4" (6 mm) from inside jamb measurement.



Any standard hollow metal frame.

• Standard metal frame supplied by others.



FRAME

Printed in Canada 2017/05

REQUIRED FRAME

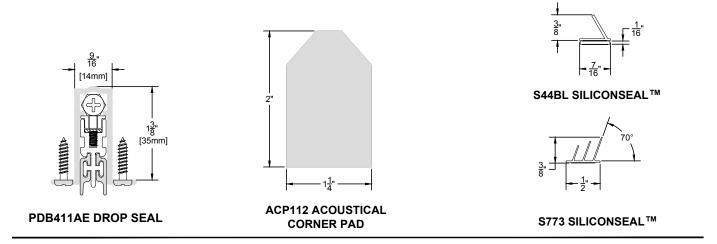


TECHNOLOGY DESIGN ENVIRONMENT

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com

HARDWARE AND FRAME ACOUSTICAL DOOR STC4520 & STC4545

REQUIRED HARDWARE



FIELD MEASUREMENTS

Lambton Doors will not be responsible for field measurements.

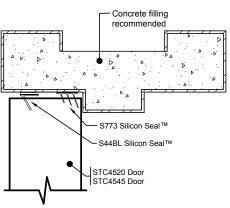
All STC doors must be undersized 1/2" (13 mm) in total from frame height after finished floor AFF).

Eg. frame 7'0" (2134 mm):

- Top of door to frame less 1/8" (3 mm)
- Bottom of door to finish floor less 3/8" (10 mm) maximum.
- Total door to frame difference after finished floor (AFF) less 1/2" (12 mm)

Acoustical door width may be calculated by subtracting 1/4" (6 mm) from inside jamb measurement.

REQUIRED FRAME



• Any standard hollow metal frame.

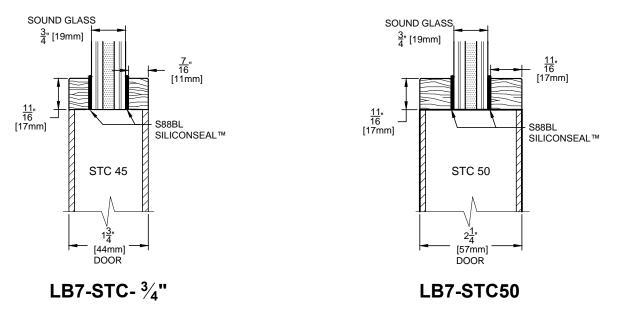
• Standard metal frame supplied by others.

CORNER PAD EACH SIDE

FRAME



LITE BEADS ACOUSTICAL DOOR STC 45 & 50 NON FIRE-RATED



MAXIMUM SIZE 1296 sq. in. (0.836 sq. m.) STC RATING WILL BE AFFECTED

INSTALLATION INSTRUCTIONS FOR FIELD GLAZING ACOUSTICAL DOOR STC 45 & 50 NON FIRE-RATED

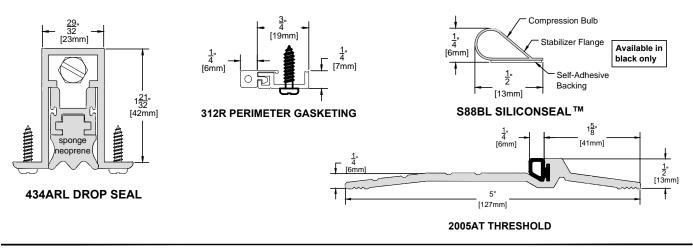
Lite beads that are firmly pre-installed in the factory, on one side of the door, are not to be removed. You must remove the lite beads on the other side of the door. Although they are also pre-installed in the factory you will notice that they can be easily removed.

- 1. Apply the self-adhesive S88BL SiliconSeal[™] directly on the mouldings that are firmly pre-installed in the factory.
- 2. Apply 1/8" (3 mm) bead of silicon caulk on the joint of the self-adhesive S88BL SiliconSeal [™] and the door core.
- 3. Install the glass and press firmly against the silicon caulk.
- 4. Apply the self-adhesive S88BL SiliconSeal[™] to the perimeter of the glass.
- 5. Apply 1/8" (3 mm) bead of silicon caulk on the joint of the self-adhesive S88BL SiliconSeal [™] and the door core.
- 6. Re-install firmly against the silicone caulk the second lite beads using the pre-machined holes.
- 7. Install lite beads using casing nails of gage 23 x 1-1/4" (32 mm). A minimum of 2 nails are required per bead. Position the first nails no closer than 2" (51 mm) from corners. Maximum spacing between all nails is 12" (305 mm).



HARDWARE, FRAME AND ASTRAGAL ACOUSTICAL DOOR STC50

REQUIRED HARDWARE



FIELD MEASUREMENTS

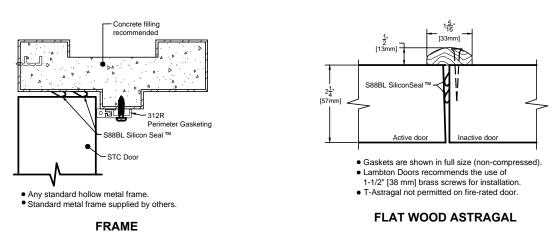
Lambton Doors will not be responsible for field measurements.

All STC doors must be undersized 9/16" (14 mm) in total from frame height after finished floor (AFF).

Eg. frame 7'0" (2134 mm):

- Top of door to frame less 1/8" (3 mm)
- Bottom of door to threshold less 3/16" (5 mm)
- Total door to frame difference after finished floor (AFF) less 9/16" (14 mm)

Acoustical door width may be calculated by subtracting 1/4" (6 mm) from inside jamb measurement.



REQUIRED FRAME AND ASTRAGAL

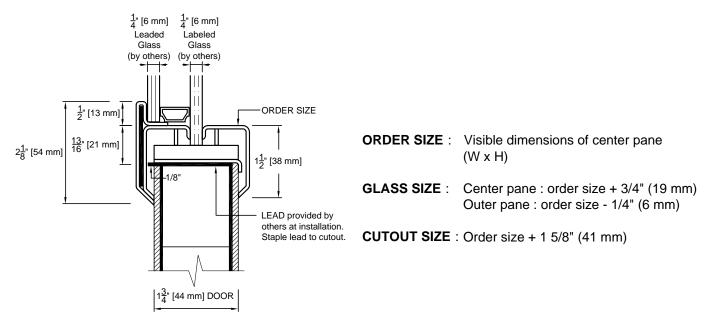
LEAD LINED LIGHT FRAMES



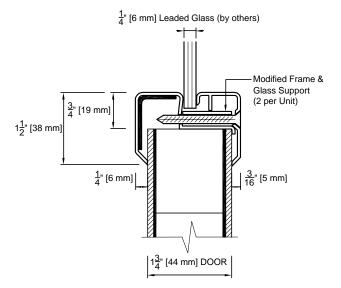
U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124

FOR 1-3/4" DOOR ONLY

STYLE #115-L1 - 20 minute UL RATING



STYLE #115-L2 for LEAD UNDER THE DOOR SKINS



ORDER SIZE :	Inside dimensions	of frame (W x H)	

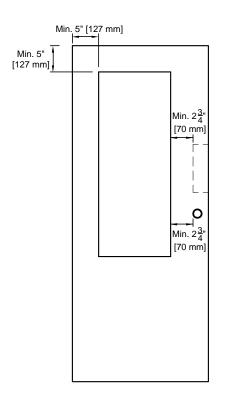
GLASS SIZE : Order size + 3/4" (19 mm)

CUTOUT SIZE : Order size + 1 5/8" (41 mm)

LITE CUT OUT



LEAD LINED DOOR



DOOR INFO

- Max. door size 4'-0" x 8'-0" [1219 mm x 2438 mm].
- Lite cut out to edge of door min. 5" [127 mm].
- Lite cut out to lite cut out min. 2-3/4" [70 mm].
- Lite cut out to hardware cut out min. 2-3/4" [70 mm].
- Lite cut out to bottom of door :

Up to 7'-0" [2134 mm] = 10" [254 mm]. Over 7'-0" [2134 mm] = 12" [305 mm].

- Available in SCL core (Structural Composite Lumber).
- Available in 20 minute rating.
- Neutral pressure only.

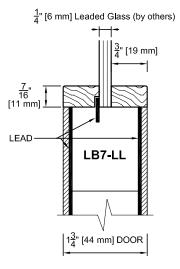
• FOR 20 MINUTE RATING, USE METAL LITE KIT #115-L1

- Max. size 1296 sq. in. using 1/4" [6 mm] Wire glass or Firelite only.

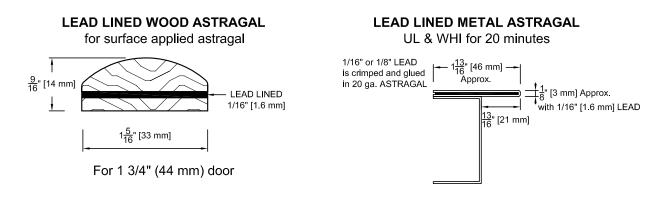
LEAD LINED WOOD LITE BEADS



U.S.A.: 1.800.363.2248 Can.: 1.800.463.3124



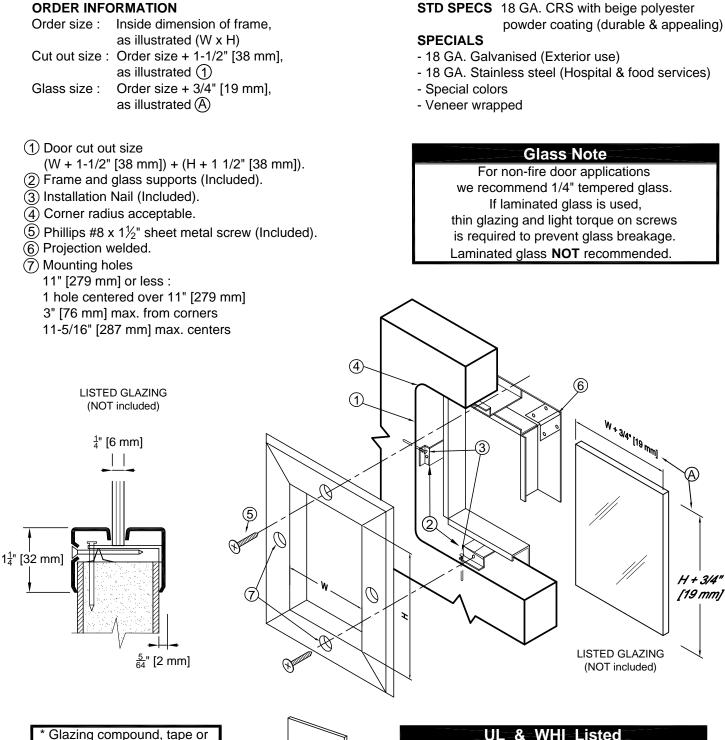
ASTRAGAL FOR LEAD LINED DOOR



#204L - Square (No bevel) #205L - Standard bevel #210L - Reverse bevel

MODEL 110 FIRE DOOR LIGHT FRAMES Glazing compound, tape or intumescent NOT REQUIRED for label *





UL & WHI Listed

Meets UL10B requirements for NEGATIVE PRESSURE and UL10C & UBC 7-2 (1997) for POSITIVE PRESSURE. Fire tested with NO glazing compound, tape or intumescent.

intumescent NOT REQUIRED with the exception of large light sizes. See listing specifications.

> TYPICAL INSTALLATION

Printed in Canada 2004/12

H + 3/4"

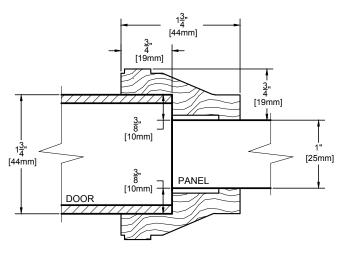
[19 mm]



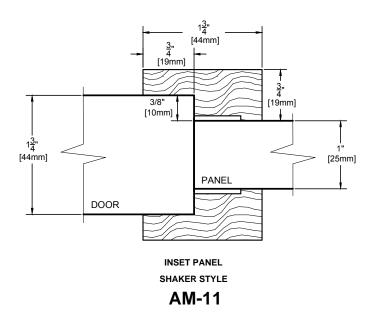
COMMERCIA AND ARCHITECTUARL DUR MANUFACTUART U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com

DOOR ACCESSORIES STANDARD INSET PANEL DESIGNS

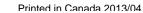
STANDARD DOOR NON FIRE-RATED OR FIRE-RATED UP TO 45 MINUTE



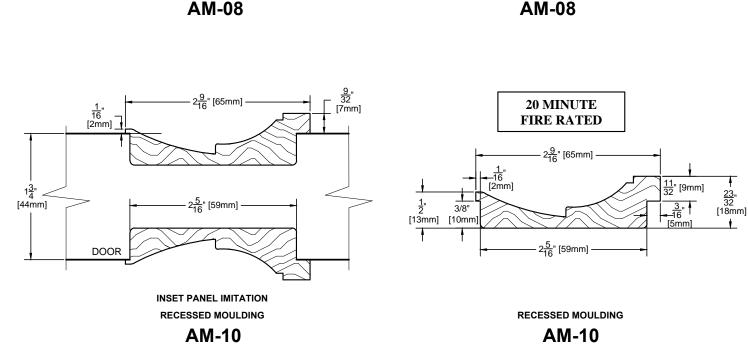
INSET PANEL



Lambton Doors can match or customize to any profile required.



Lambton Doors can match or customize to any profile required.



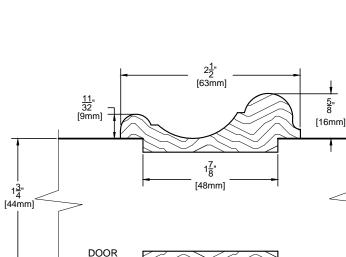
COMMEACIAL AND AACHITECTUAAL **DOOR MANUFACTURER** U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com

LAMBTON

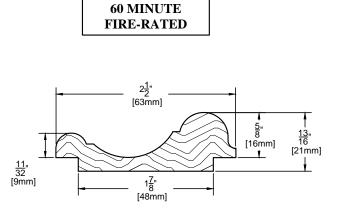
DOORS

DOOR ACCESSORIES STANDARD INSET PANEL IMITATIONS WITH **RECESSED MOULDING DESIGNS**

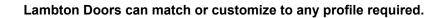
STANDARD DOOR NON FIRE-RATED **OR FIRE-RATED**

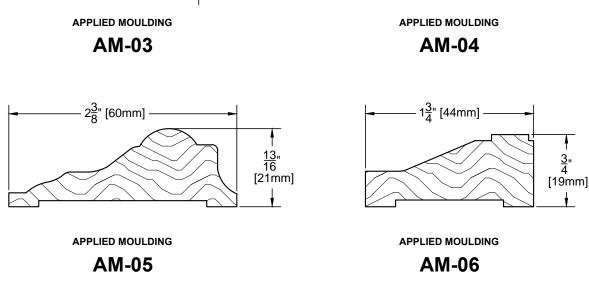


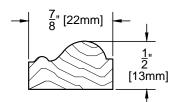
INSET PANEL IMITATION RECESSED MOULDING

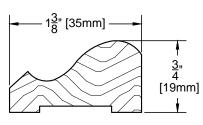


RECESSED MOULDING

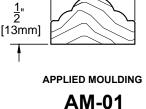


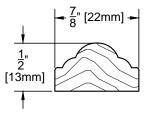


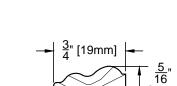




[8mm]







APPLIED MOULDING

AM-02



DOOR ACCESSORIES STANDARD APPLIED MOULDING DESIGNS

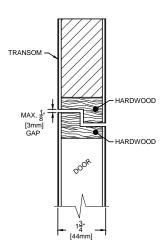
STANDARD DOOR NON FIRE-RATED

OR FIRE-RATED UP TO 90 MINUTE



COMMERCIAL AND ARCHITECTUAAL DOOR MANUFACTUAER

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com



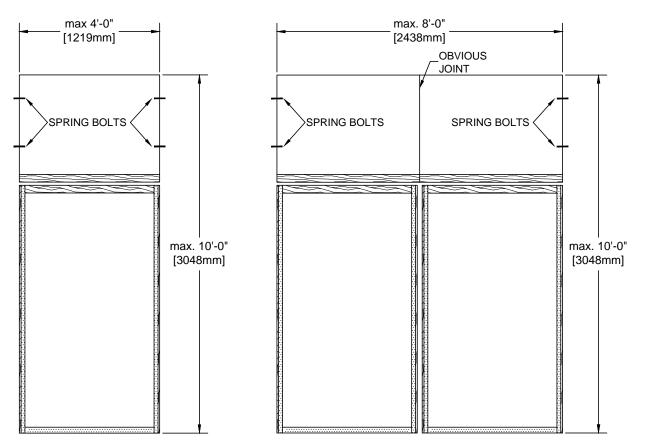
NON-RATED DOOR WITH TRANSOM

- Door construction according to series except for meeting transom rails.
- The maximum single opening size is 4'-0" x 10'-0" [1219 mm x 3048 mm].
- The maximum pair opening size is 8'-0" x 10'-0" [2438 mm x 3048 mm].
- The panel shall be machined for spring bolts.

APPROVED STEEL SPRING BOLTS : "STANLEY #1697"

Panel up to 18" [457 mm] in height= 2 spring bolts per side Panel up to 36" [914 mm] in height= 3 spring bolts per side Panel up to 40" [1016 mm] in height= 4 spring bolts per side

SIDE VIEW DETAILS RABBETTED MEETING RAILS

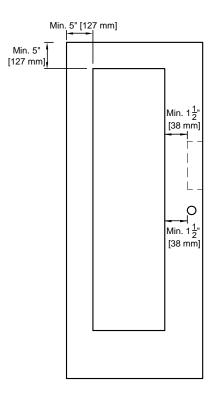


Printed in Canada 2015/06

LITE CUT OUT NON RATED DOOR PC, SCL, STAVE CORE



U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124



DOOR INFO

ALL CORES

- Max. door size 4'-0" x 10'-0" [1219 mm x 3048 mm].
- Lite cut out to bottom of door :

Up to 7'-0" (2134 mm) = 10" (254 mm) Over 7'-0" (2134 mm) = 12" (305 mm)

PARTICLE CORE

- Lite cut out to lite cut out min. 2 3/4" [70 mm].
- Lite cut out to lock cut out min. 2 3/4" [70 mm].

STAVE LUMBER CORE

- Lite cut out to lite cut out min. 2 3/4" [70 mm].
- Lite cut out to lock cut out min. 1 1/2" [38 mm].

STRUCTURAL COMPOSITE LUMBER CORE

- Lite cut out to lite cut out min. 1 1/2" [38 mm].
- Lite cut out to lock cut out min. 1 1/2" [38 mm].

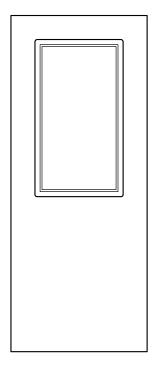
NOTE

- PC CORE NOT TO HAVE OPENING EXCEEDING 40 % OF DOOR AREA. - ALL CORES MINIMUM LOCK STILE 6" [152 mm].



SLIMLINE MODEL by AIR LOUVERS Inc.

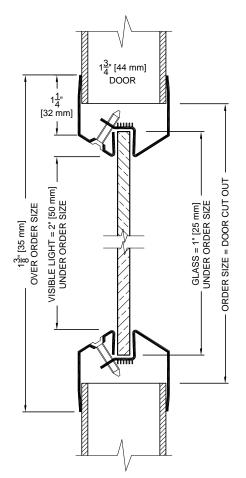
U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124



Low Profile Beveled VISION LITE with continuous glass retainer. Recommended for applications where low profile, total visibility and light transmissions are required.

Specifications Standard Features :

Standard Features :		
Material :	20 gauge CRS frame.	
Construction :	Radius Corners, mitered and welded. Continuous glass retainer, countersunk mounting holes in bevel return. Screws fasten from room side into prepunched internal mounting holes. This mounting method leaves corridor side of frame free of fasteners for aesthetic and security purposes.	
Finish :	Mineral bronze baked on power coat.	
Door :	For 1-3/4" [44 mm] door.	
Fasteners :	#8 x 7/8" [22 mm] flathead philips head SMS.	
<u>Glass</u> :	Use 3/16" [5 mm], 1/4" [6 mm], 5/16" [8 mm] fire rated glazing with Warnock Hersey(ITS) or U.L. classification markings for fire rated applications.	



Fire Ratings with Warnock Hersey (ITS) or U.L. Classification Markings :

Using 1/4" [6 mm] thick listed wire glass • 20, 45, 60, 90 Minute.

Using 3/16" [5 mm] thick PYROSWISS EXTRA

• 20 Minutes without hose stream test.

Using 5/16" [8 mm] thick KERALITE-FRL

• 20 Minutes to 3 hours.

Using 3/16 [5 mm] KERALITE-FRF

• 20 Minutes to 3 hours.

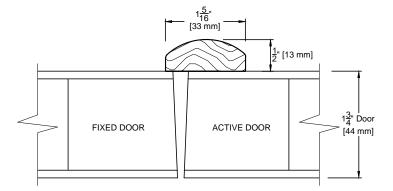


TESTED AND LISTED FOR U.L. 10C AND CRITERIA OF UBC 7-2 POSITIVE PRESSURE

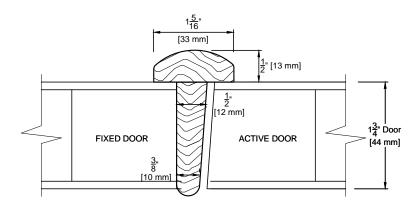
STANDARD WOOD ASTRAGALS



SURFACE APPLIED ASTRAGAL



"T" ASTRAGAL



DIMENSIONS FOR STANDARD WOOD "T" ASTRAGAL

• FOR 1-3/8" (35 mm) DOOR

Use 1-5/16" (33 mm) x 2" (51 mm)

- FOR 1-3/4" (44 mm) DOOR
 Use 1-5/16" (33 mm) x 2-3/8" (60 mm)
- FOR 2" (51 mm) DOOR

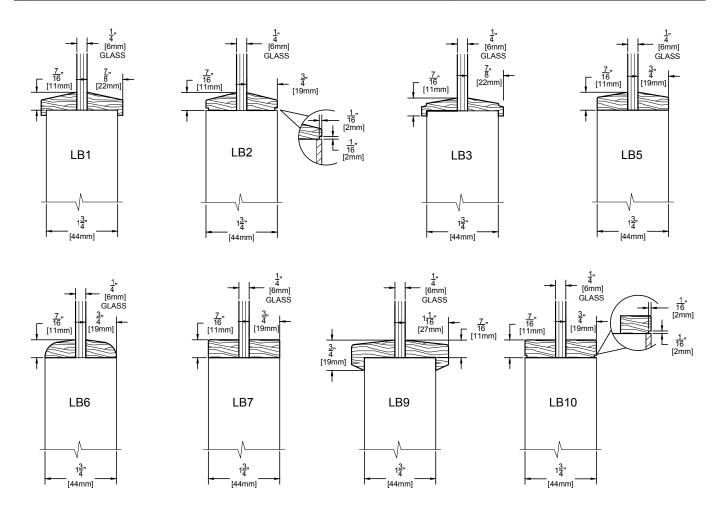
Use 1-5/16" (33 mm) x 2-5/8" (67 mm)



TECHNOLOGY DESIGN ENVIRONMENT

U.S.A. : 1 800 363.2248 Can. : 1 800 463.3124 info@lambtondoors.com www.lambtondoors.com

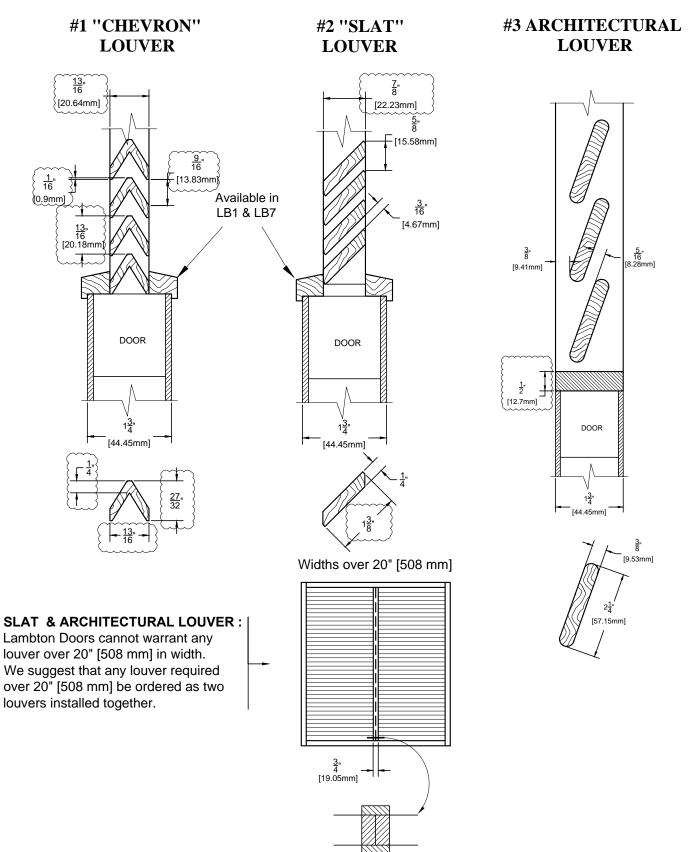
DOOR ACCESSORIES STANDARD DOOR NON FIRE-RATED STANDARD WOOD LITE BEADS



INSTALLATION INSTRUCTIONS FOR FIELD GLAZING OF NON-RATED DOORS

- 1. The lite beads that are firmly pre-installed in the factory, on one side of the door, are not to be removed. You must remove the lite beads on the other side of the door. Although they are also pre-installed in the factory you will notice that they can be removed easily.
- 2. Apply 1/8" (3 mm) bead of caulking to the corner formed by the installed lite beads and the door core.
- 3. Place glass into position and press firmly against the caulking.
- 4. Apply 1/8" (3 mm) bead of caulking to the perimeter of the glass and the door core.
- 5. Firmly re-install the lite beads removed against the caulking using the pilot holes.
- 6. Nail wood bead in place using gage 23 x 1-1/4" (32 mm) micropins nails no more than 12" (305 mm) apart and no closer than 2" (51 mm) to any corner. A minimum of 2 nails per moulding should be used.

WOOD LOUVERS



Section



INTRODUCTION TO FIRE DOORS

This section is presented for a better understanding of single or pair fire-rated door configurations.

Two types of fire-rated door may be specified:

- positive pressure
- and neutral or negative pressure

Lambton Doors label under I.T.S. Warnock Hersey as a listed flush wood door manufacturer. We comply with all current fire door requirements meeting ASTM E-2074 for Category A Positive Pressure door and all standards for Negative or Neutral Pressure door.

All fire doors meet the requirements of recognized fire door tests and bear certifying labels.

Doors may be either negative/neutral or positive pressure depending on local codes. To identify whether the doors you need are negative/neutral or positive pressure here are a few key phrases to look for:

Positive Pressure	Negative/Neutral Pressure
UL 10-C	UL 10-B
UBC 7-2-1997	UBC 7-2-1994
ASTM 2074-00	ASTM-152

Phrases that do not distinguish negative/neutral or positive pressure:

- NFPA 101 Life Safety Code[®]
- UL 1784 Air Leakage Test for Door Assemblies
- NFPA 252 Standard Methods of Fire Tests of Door Assemblies
- NFPA 80 Standard for Fire Doors and Other Opening Protectives
- NFPA 105 Standard for the Installation of Smoke Door Assemblies and Other Opening Protectives
- UBC With no date given could be either positive or neutral

It is good practice to refer to the technical sheet of single rated doors before pricing any fire-rated options included in this section. Note also that drawings shown in this section are only representative of different configurations and are not to scale. All drawings shown and specifications are subject to change without notice.



TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.: 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248



The FSC® logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council®. Ask for our FSC® certified products.

NEGATIVE / NEUTRAL PRESSURE

This section is presented for a better understanding of Negative/Neutral Pressure firerated door configurations.

Lambton Doors label under I.T.S. Warnock Hersey as a listed flush wood door manufacturer. We comply with all current fire door requirements meeting all standards for Negative/Neutral Pressure door and ASTM E-2074 standard for Positive Pressure Category A door.

All fire doors meet the requirements of recognized fire door tests and bear certifying labels.

To identify whether the doors you need are Negative/Neutral Pressure here are the key phrases to look for:

- Neutral Pressure
- Negative Pressure
- Tested at atmospheric pressure
- UL 10-B Fire Test
- UBC 432 UBC Fire Test
- ASTM E-152 Test Method
- UBC 7-2-1994 UBC Fire Test
- CAN S 104

POSITIVE PRESSURE

This section is presented for a better understanding of Positive Pressure fire-rated door configurations.

LAMBTON DOORS label under I.T.S. Warnock Hersey as a listed flush wood door manufacturer complying with all current fire door requirements meeting ASTM E-2074 standard for Positive Pressure Category A and all standards for Negative/Neutral Pressure.

All fire doors meet the requirements of recognized fire door tests and bear certifying labels.

To identify whether the doors you need are positive pressure here are the key phrases to look for:

- Positive Pressure
- Shall meet Positive Pressure requirements
- After 5 minutes into the test, Neutral Pressure plane should be at 40"
- Intumescent seals not indicating positive pressure, but implying it is
- UL 10-C Fire Test
- NFPA 5000 Code
- UBC 7-2-1997 UBC Fire Test
- ASTM 2074-00 Fire Test
- IBC 2000 or IBC 2003 International Building Code

Category A doors

No additional edge-sealing system required.

This category includes doors without an edge-sealing system between the door and the frame. It also includes doors with a sealing system incorporated, concealed or visible, into the edge of the door. Meeting edges of pairs may require an astragal or edge sealing system.

Category B doors

Additional edge-sealing system required per the 2002 ITS Directory of Listed Building Products.

This category includes doors with an edge-sealing system applied to the labeled frame or door. The application of the edge-sealing system does not require any machining of the frame or door.

What is positive pressure?

Positive pressure testing simulates real fire conditions.

As heat develops whiten the source area, pressure within an enclosed room begins to build relative to the pressure outside the room. The pressure continues to increase until the availability of oxygen relative to fuel causes the fire to reach equilibrium. This typically will occur when the pressure of the top 2/3 of the room is greater than the outside pressure and the pressure of the bottom 1/3 of the room is less than the outside pressure. The transition between the higher and lower pressure is referred to as the neutral pressure plane.

In the positive pressure zone the smoke, hot gazes and flames are forced through any openings in the door assembly.

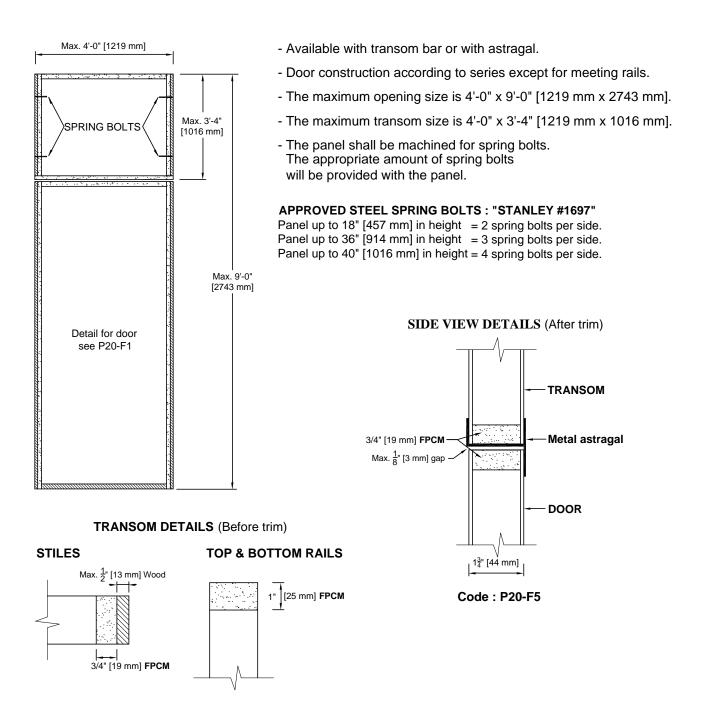
FIRE DOOR SYSTEM POSITIVE PRESSURE (Category A & B)



U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124

20 MINUTE DOOR WITH TRANSOM

WITH METAL ASTRAGAL OR TRANSOM BAR

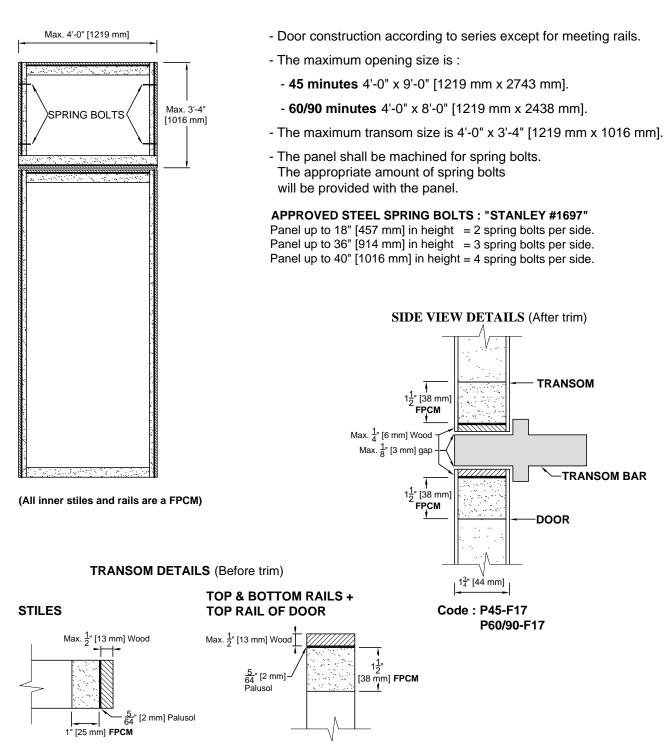


FIRE DOOR SYSTEM POSITIVE PRESSURE (Category A)



U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124

45/60/90 MINUTE DOOR WITH TRANSOM TRANSOM BAR ONLY

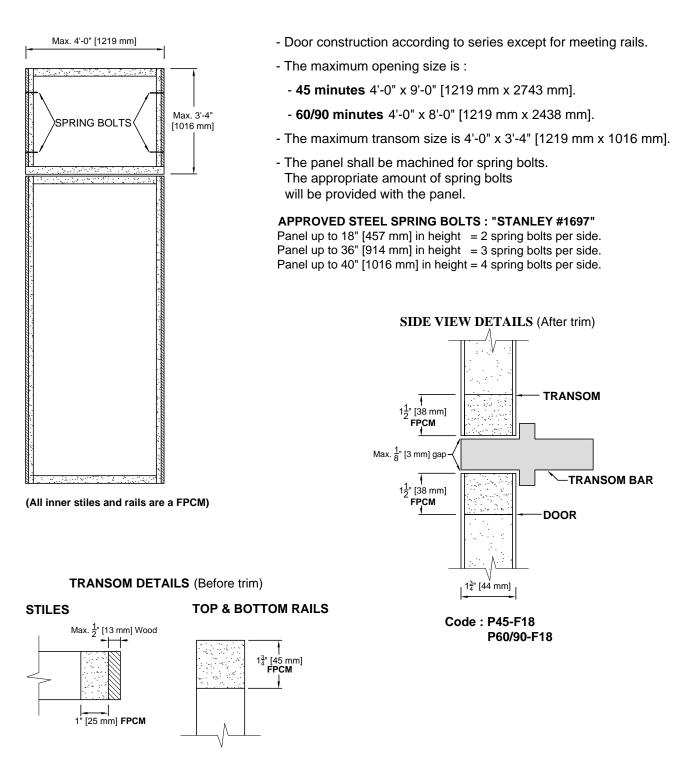


FIRE DOOR SYSTEM POSITIVE PRESSURE (Category B)



U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124

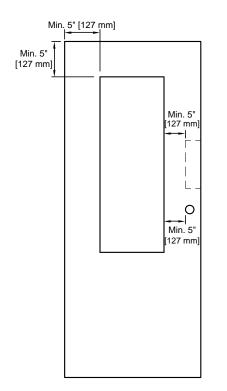
45/60/90 MINUTE DOOR WITH TRANSOM TRANSOM BAR ONLY





U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124

20 MINUTE



DOOR INFO

- Max. door size 4'-0" x 9'-0" [1219 mm x 2743 mm].
- Lite cut out to edge of door min. 5" [127 mm].
- Lite cut out to lite cut out min. 5" [127 mm].
- Lite cut out to hardware cut out min. 5" [127 mm].
- Lite cut out to bottom of door :
 - Up to 7'-0" [2134 mm] = 10" [254 mm]. Over 7'-0" [2134 mm] = 12" [305 mm].

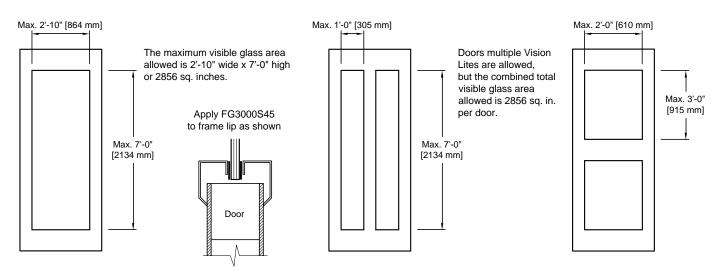
LITE INFO

USING LB7-20 BEADS

- Max. size 1296 sq. in. using Firelite.
- Max. size 1296 sq. in. using 1/4" [6 mm] Wire glass.
- Multiple lites available if total does not exceed above mentioned dimensions.

• USING METAL LITE KIT #115

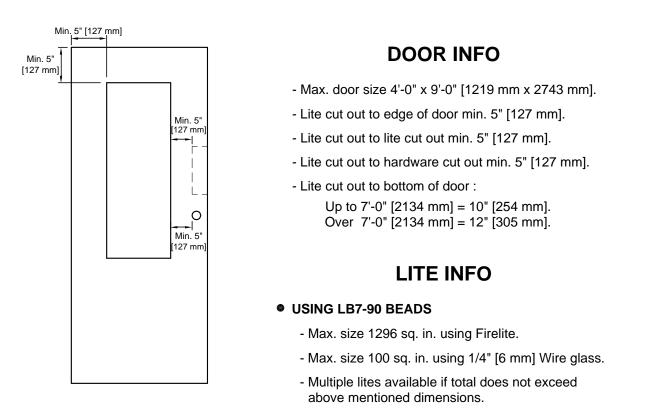
- Max. size 2856 sq. in. using Firelite & Silicon caulk.
- Max. size 2856 sq. in. using 1/4" [6 mm] Wire glass & Pemko FG 3000S45.
- Max. size 1296 sq. in. using 1/4" [6 mm] Wire glass or Firelite only.





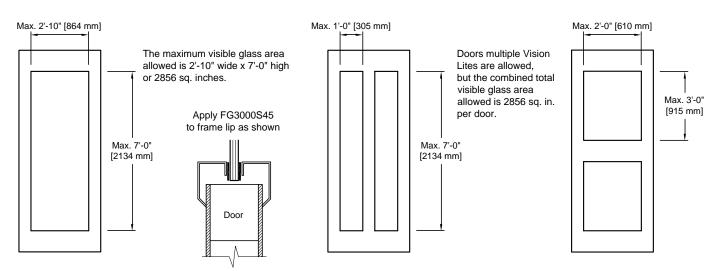
U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124

45 MINUTE (MINERAL CORE)



• USING METAL LITE KIT #115

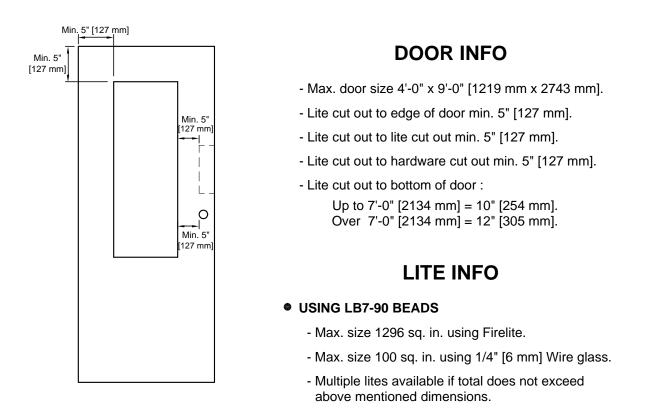
- Max. size 2856 sq. in. using Firelite & Silicon caulk.
- Max. size 2856 sq. in. using 1/4" [6 mm] Wire glass & Pemko FG 3000S45.
- Max. size 1296 sq. in. using 1/4" [6 mm] Wire glass or Firelite only.





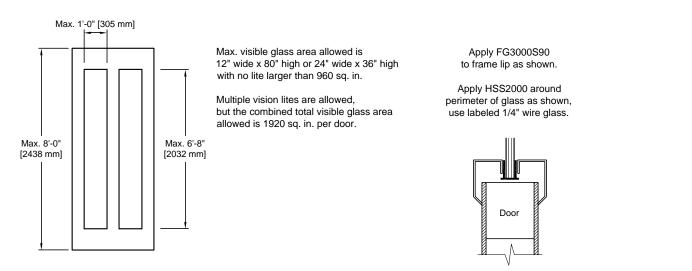
Can. : 1.800.363.2248

60 MINUTE (MINERAL CORE)



• USING METAL LITE KIT #115

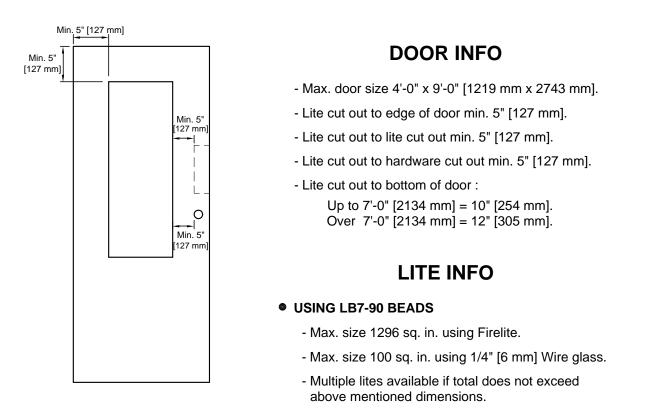
- Max. size 1920 sq. in. using Firelite & Silicon caulk.
- Max. size 1920 sq. in. using 1/4" [6 mm] Wire glass & Pemko FG 3000S90.
- Max. size 100 sq. in. using 1/4" [6 mm] Wire glass or Firelite only.





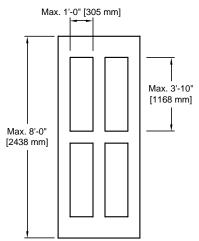
Can. : 1.800.463.3124

90 MINUTE (MINERAL CORE)



USING METAL LITE KIT #115

- Max. size 2208 sq. in. using Firelite & Silicon caulk.
- Max. size 2208 sq. in. using 1/4" [6 mm] Wire glass & Pemko FG 3000S90.
- Max. size 100 sq. in. using 1/4" [6 mm] Wire glass or Firelite only.



Max. visible glass area allowed is 12" wide x 46" high or 552 sq. in. per vision lite.

Multiple vision lites are allowed, but the total number must not exceed 4 per door. The largest approved configuration is four (4) 12" x 46" lites (as shown left). The combined total visible lite area allowed is 2208 sq. in. per door. Apply FG3000S90 to frame lip as shown.

Apply HSS2000 around perimeter of glass as shown, use labeled 1/4" wire glass.

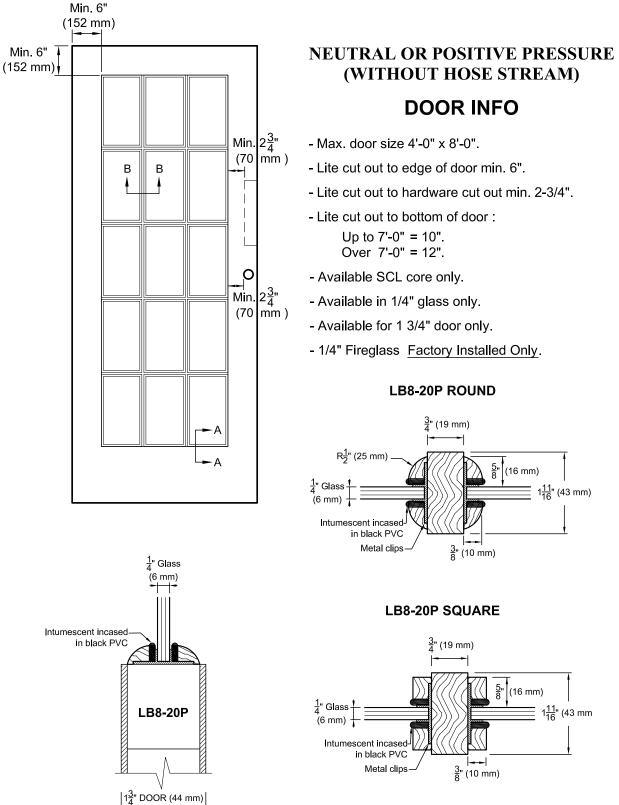


Printed in Canada 2003/11



U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124

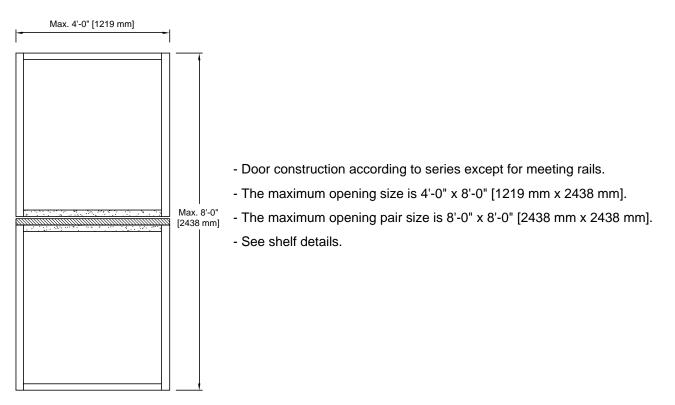
FIRE RATED FRENCH DOOR 20 MINUTE Available U.S. market Only



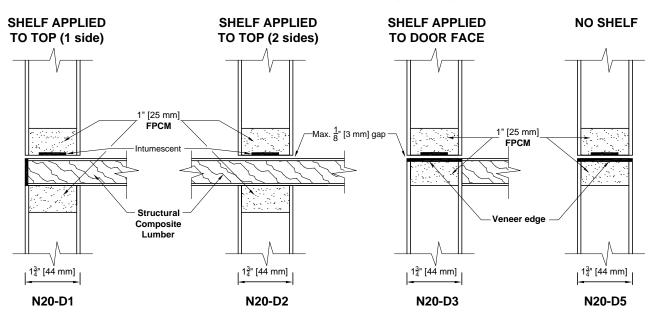


Detail A-A

FIRE DOOR SYSTEM NEUTRAL PRESSURE 20 MINUTE DUTCH DOOR UTILIZING INTUMESCENT



DUTCH DETAILS (After trim)



DOORS

U.S.A.: 1.800.363.2248

Can. : 1.800.463.3124

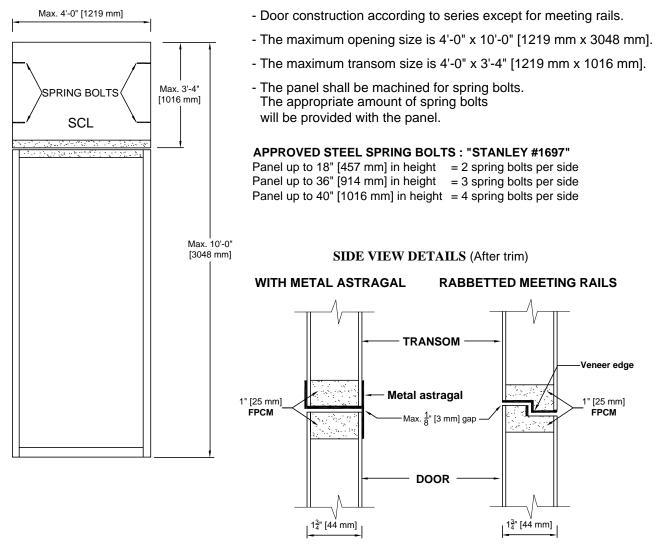
FIRE DOOR SYSTEM NEUTRAL PRESSURE



U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124

20 MINUTE DOOR WITH TRANSOM

WITH METAL ASTRAGAL OR RABBETTED MEETING RAILS



Code : N20-TR1

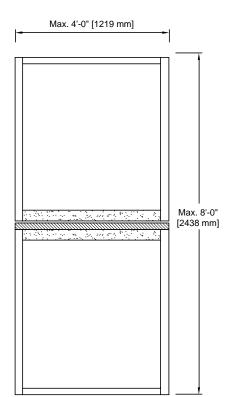
Code : N20-TR2



U.S.A.: 1.800.363.2248

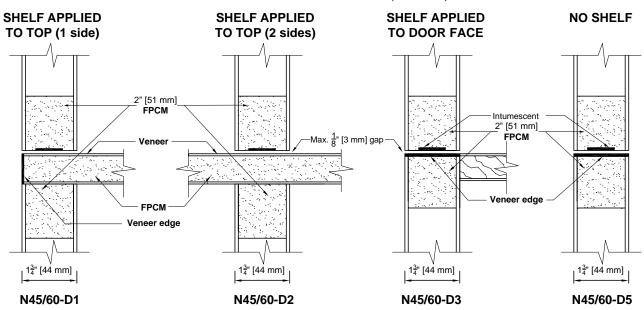
Can. : 1.800.463.3124

FIRE DOOR SYSTEM NEUTRAL PRESSURE 45/60 MINUTE DUTCH DOOR UTILIZING INTUMESCENT



- Door construction according to series except for meeting rails.
- The maximum opening size is 4'-0" x 8'-0" [1219 mm x 2438 mm].
- Two wood shelf supports per side of door are required.
- Fire Proof blocking must be used at any location where a mounting screw would otherwise enter mineral core, unless thrubolting is used.
 See shelf details.

DUTCH DETAILS (After trim)



⁽¹⁰⁻⁹⁸⁾ Printed in Canada 2003/11

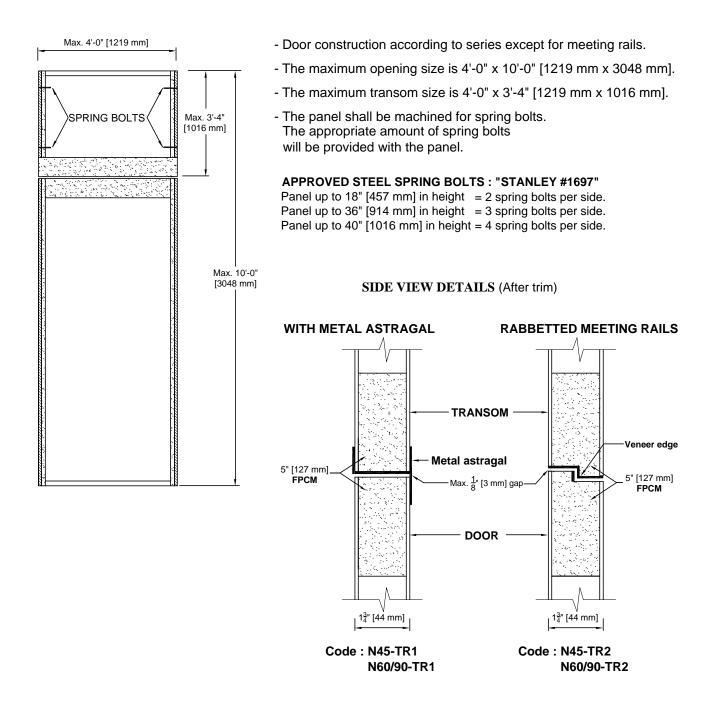
FIRE DOOR SYSTEM NEUTRAL PRESSURE



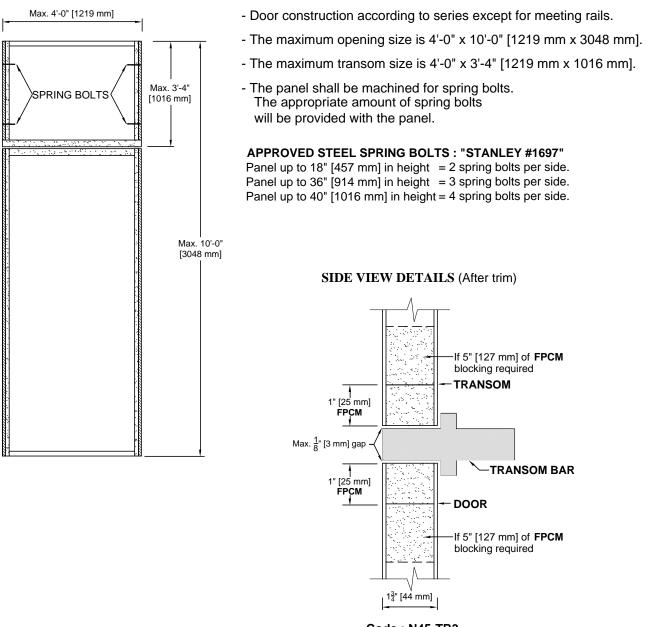
U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124

45/60/90 MINUTE DOOR WITH TRANSOM

WITH METAL ASTRAGAL OR RABBETTED MEETING RAILS



FIRE DOOR SYSTEM NEUTRAL PRESSURE 45/60/90 MINUTE DOOR WITH TRANSOM TRANSOM BAR ONLY



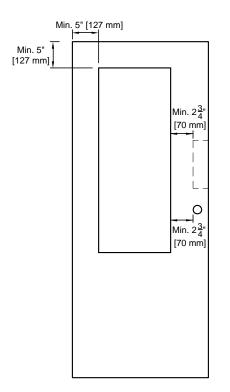
Code : N45-TR3 N60/90-TR3 LAMBTON DOORS U.S.A. : 1.800.363.2248

U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124



U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124

20 MINUTE



DOOR INFO

- Max. door size 4'-0" x 10'-0" [1219 mm x 3048 mm].
- Lite cut out to edge of door min. 5" [127 mm].
- Lite cut out to lite cut out min. 2-3/4" [70 mm].
- Lite cut out to hardware cut out min. 2-3/4" [70 mm].
- Lite cut out to bottom of door :

Up to 7'-0" [2134 mm] = 10" [254 mm]. Over 7'-0" [2134 mm] = 12" [305 mm].

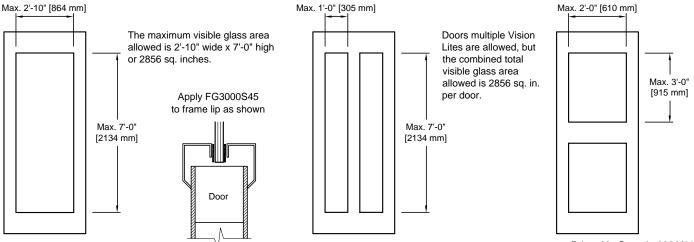
LITE INFO

USING WOOD BEADS

- Max. size 2524 sq. in. using Firelite.
- Max. size 1296 sq. in. using 1/4" [6 mm] Wire glass.
- Multiple lites available if total does not exceed above mentioned dimensions.

USING METAL LITE KIT #115

- Max. size 2856 sq. in. using Firelite & Silicon caulk.
- Max. size 2856 sq. in. using 1/4" [6 mm] Wire glass & Pemko FG 3000S45.
- Max. size 1296 sq. in. using 1/4" [6 mm] Wire glass or Firelite only.

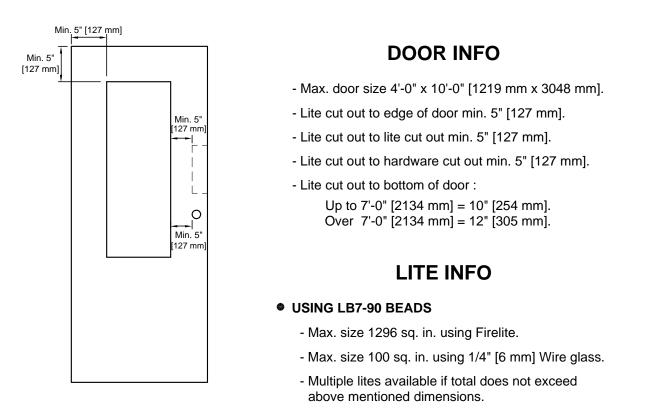


Printed in Canada 2003/11



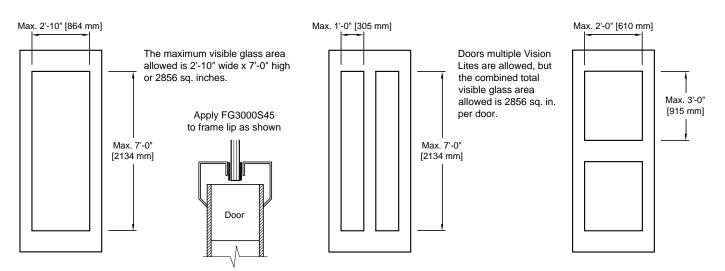
Can. : 1.800.463.3124

45 MINUTE (MINERAL CORE)



• USING METAL LITE KIT #115

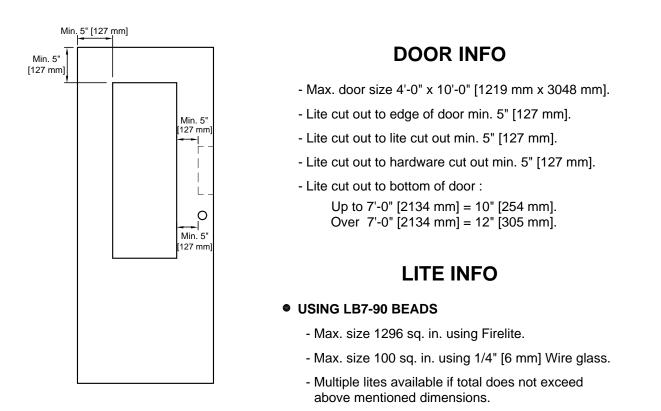
- Max. size 2856 sq. in. using Firelite & Silicon caulk.
- Max. size 2856 sq. in. using 1/4" [6 mm] Wire glass & Pemko FG 3000S45.
- Max. size 1296 sq. in. using 1/4" [6 mm] Wire glass or Firelite only.





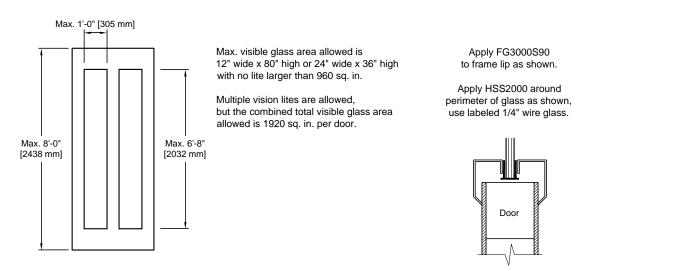
Can. : 1.800.463.3124

60 MINUTE (MINERAL CORE)



• USING METAL LITE KIT #115

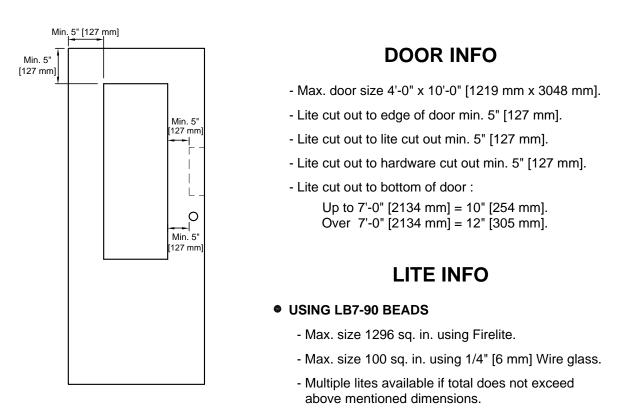
- Max. size 1920 sq. in. using Firelite & Silicon caulk.
- Max. size 1920 sq. in. using 1/4" [6 mm] Wire glass & Pemko FG 3000S90.
- Max. size 100 sq. in. using 1/4" [6 mm] Wire glass or Firelite only.





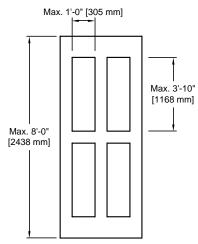
Can. : 1.800.463.3124

90 MINUTE (MINERAL CORE)



USING METAL LITE KIT #115

- Max. size 2208 sq. in. using Firelite & Silicon caulk.
- Max. size 2208 sq. in. using 1/4" [6 mm] Wire glass & Pemko FG 3000S90.
- Max. size 100 sq. in. using 1/4" [6 mm] Wire glass or Firelite only.



Max. visible glass area allowed is 12" wide x 46" high or 552 sq. in. per vision lite.

Multiple vision lites are allowed, but the total number must not exceed 4 per door. The largest approved configuration is four (4) 12" x 46" lites (as shown left). The combined total visible lite area allowed is 2208 sq. in. per door. Apply FG3000S90 to frame lip as shown.

Apply HSS2000 around perimeter of glass as shown, use labeled 1/4" wire glass.

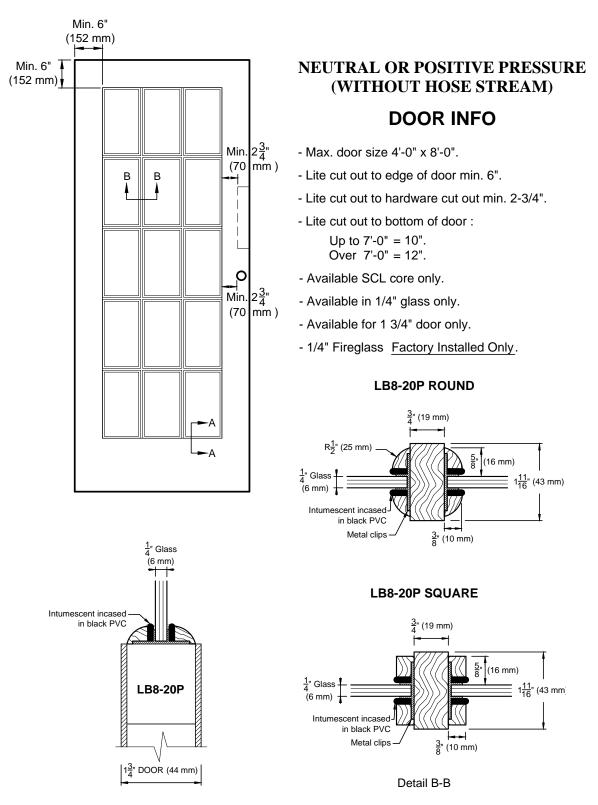




U.S.A.: 1.800.363.2248

Can. : 1.800.463.3124

FIRE RATED FRENCH DOOR 20 MINUTE Available U.S. market Only



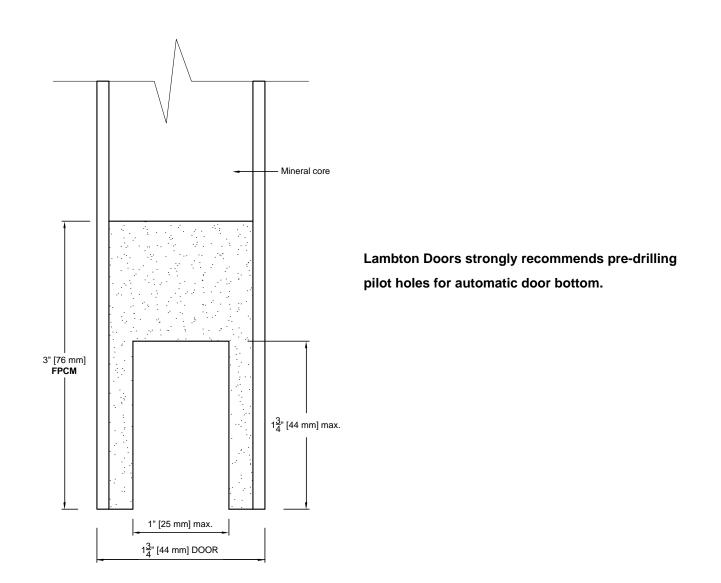
Detail A-A

Printed in Canada 2010/09

FIRE DOOR SYSTEM 45/60/90 MINUTE



AUTOMATIC MORTISED DOOR BOTTOM

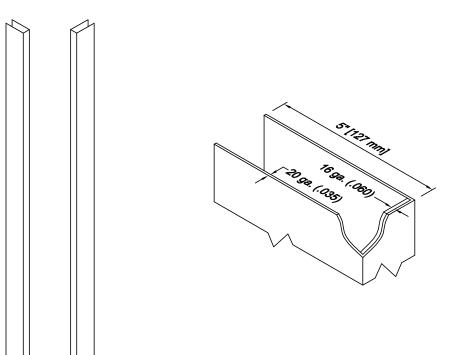


FIRE DOOR SYSTEM CONCEALED VERTICAL ROD 5" (127 mm) CHANNELS



U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124

FOR 1-3/4" (44 mm) DOOR



20 ga. Channel (.035) + 16 ga. (.060) Support Strip adds an additionnal (.095) or 3/32" (2.4 mm) to the edge of your door. When sizing your door for the opening you must allow 3/32" (2.4 mm) on each leaf.

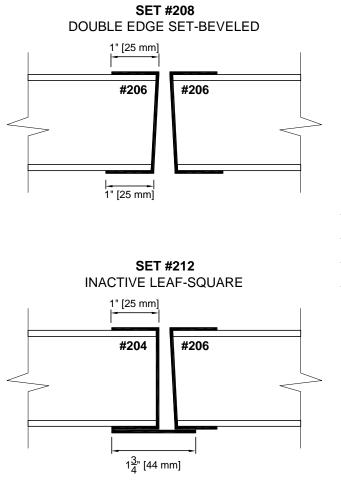
FIRE DOOR SYSTEM STANDARD EDGE AND ASTRAGAL SETS



U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124

.



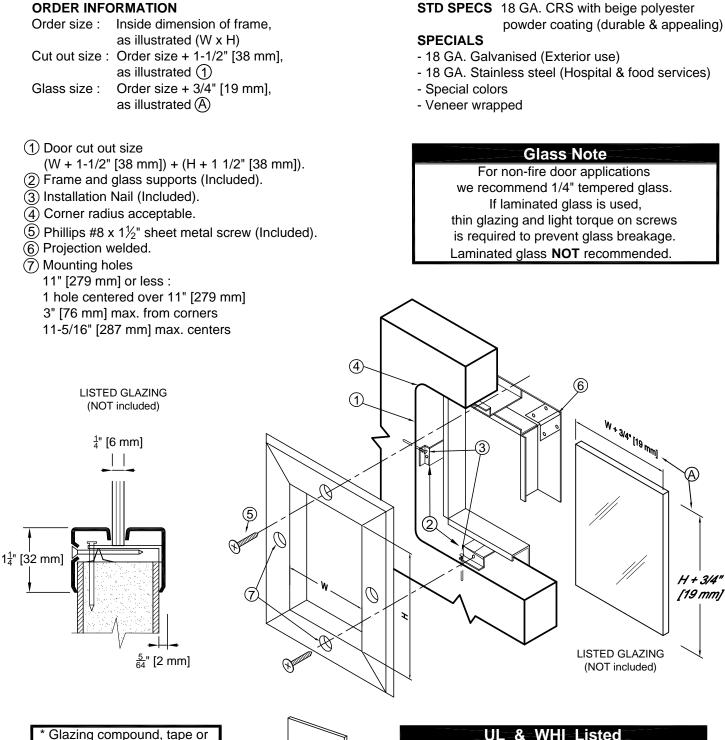


- Edge and astragal sets are listed to 90 minutes.
- Double edge set is listed to 90 minutes WHI.
- WHI listed in steel and stainless steel.
- Available with veneer wrap.

- Standard finish is beige powder paint.
- All bevels are 1/8" (3 mm) in 2" (51 mm).
- Punched and coined for #8 x 3/4" (19 mm) Phillips flat Head Screws (included).
- Hole centers 12" (305 mm) or less, 3-1/2" (89 mm) max. from ends and machined openings.
- Available in lengths to 120" (3040 mm).
- Machining templates must be completed for each machined item (please request forms).
- All items available in Stainless Steel.

MODEL 110 FIRE DOOR LIGHT FRAMES Glazing compound, tape or intumescent NOT REQUIRED for label *





UL & WHI Listed

Meets UL10B requirements for NEGATIVE PRESSURE and UL10C & UBC 7-2 (1997) for POSITIVE PRESSURE. Fire tested with NO glazing compound, tape or intumescent.

intumescent NOT REQUIRED with the exception of large light sizes. See listing specifications.

> TYPICAL INSTALLATION

Printed in Canada 2004/12

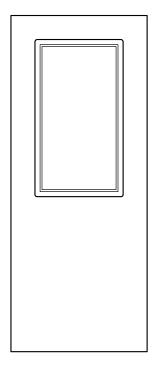
H + 3/4"

[19 mm]



SLIMLINE MODEL by AIR LOUVERS Inc.

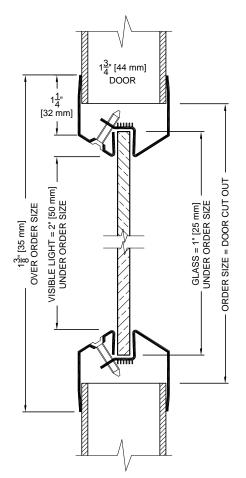
U.S.A. : 1.800.363.2248 Can. : 1.800.463.3124



Low Profile Beveled VISION LITE with continuous glass retainer. Recommended for applications where low profile, total visibility and light transmissions are required.

Specifications Standard Features :

Standard Features :	
Material :	20 gauge CRS frame.
Construction :	Radius Corners, mitered and welded. Continuous glass retainer, countersunk mounting holes in bevel return. Screws fasten from room side into prepunched internal mounting holes. This mounting method leaves corridor side of frame free of fasteners for aesthetic and security purposes.
Finish :	Mineral bronze baked on power coat.
Door :	For 1-3/4" [44 mm] door.
Fasteners :	#8 x 7/8" [22 mm] flathead philips head SMS.
<u>Glass</u> :	Use 3/16" [5 mm], 1/4" [6 mm], 5/16" [8 mm] fire rated glazing with Warnock Hersey(ITS) or U.L. classification markings for fire rated applications.



Fire Ratings with Warnock Hersey (ITS) or U.L. Classification Markings :

Using 1/4" [6 mm] thick listed wire glass • 20, 45, 60, 90 Minute.

Using 3/16" [5 mm] thick PYROSWISS EXTRA

• 20 Minutes without hose stream test.

Using 5/16" [8 mm] thick KERALITE-FRL

• 20 Minutes to 3 hours.

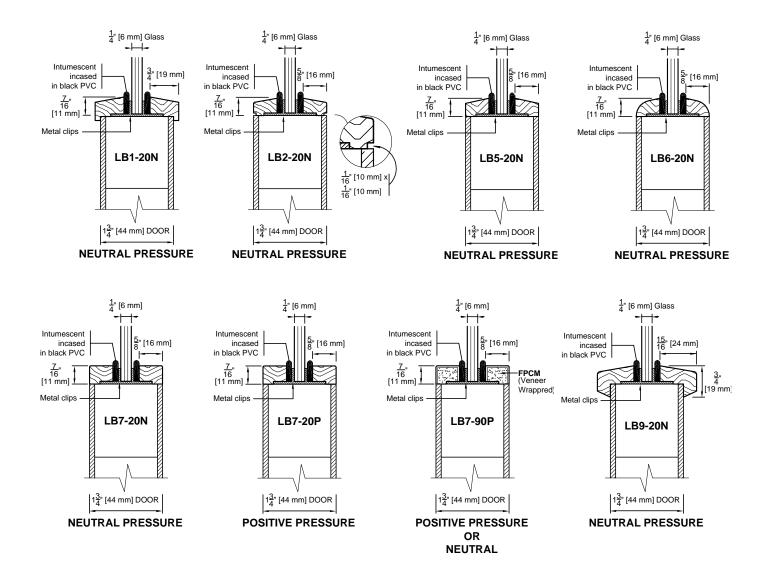
Using 3/16 [5 mm] KERALITE-FRF

• 20 Minutes to 3 hours.



TESTED AND LISTED FOR U.L. 10C AND CRITERIA OF UBC 7-2 POSITIVE PRESSURE

VISION FIRE RATED LITE BEADS



INSTALLATION INSTRUCTIONS FOR FIELD GLAZING OF 20 MINUTE FIRE-RATED DOORS

- Apply a 1/8" (3 mm) bead of caulking to the corner formed by the installed lite bead and the door core.
- Place glass into position and press firmly against the caulking.
- Apply a second 1/8" (3 mm) bead of caulking to the perimeter of the glass and the door core.
- Nail wood bead in place using 1 1/4" (31 mm) finishing nails no more than 12" (305 mm) apart and no closer than 2" (50 mm) to any corner. A minimum of 2 nails per moulding should be used using pilot holes.

INSTALLATION WITH P.V.C. ENCASED INTUMESCENT

- Follow the above instructions with the exception of placing the P.V.C. in between the wood bead and the glass.
- Caulking to be installed between the P.V.C. and the glass.



COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD



U.V. Finishing System

- Characteristics equivalent to or better than AWI TR-8 and OP-8, new SYSTEM 9 according to AWS Edition 1-2009 for all our Door Series.
- Meet WDMA I.S.1A Extra Heavy Duty Standard.
- Semi-filled appearance.
- Satin sheen between 30 to 35 degrees.
- Roller coat system allowing stain to penetrate deep into the wood pores creating that deep rich look.
- 100% polyurethane solids, in comparison TR-2 catalyzed lacquer with 28% and TR-8 catalyzed polyurethane with 57%.
- Environmentally safe, or green product (No Volatile Organic Compounds – VOC).
- Non-yellowing formula stays clear.
- A hard durable finish.
- Solvent resistant.
- Wear and moisture resistant.
- Cold check resistant.
- Impact resistant (1 lb. steel ball at 17 inches).
- Print resistant.
- Chemical resistant (most common chemicals found in homes or offices).
- Automatic lifetime warranty.







19-Step Finish Process

- 1. Raw door face veneer and stiles are sanded with 180 grit paper.
- 2. Prior to stain or sealer application, a fine sanding with 220 grit paper through a high-precision electronic state-of-the-art wide belt sanding machine is performed.
- Faces and stiles have water based stain applied with a direct and reverse roller coat system.
 Depending on desired color, two coats may be required.
- 4. Two separate brushes push the stain deep into the pores while wiping off excess stain.
- 5. Door travels through a 50-foot drying oven making product dry to the touch in minutes.
- 6. Top and bottom rails are sealed with polyurethane.
- 7. Stiles are machine sprayed with polyurethane.
- 8. A 100% solid polyurethane sealer is applied with a roller coat system on face.
- 9. Door travels through ultraviolet lite for curing.
- 10. A second 100% solid polyurethane sealer is applied with a roller coat system on face.
- 11. Door travels through ultraviolet lite for curing.
- 12. Opposite face of door passes through the same 1 thru 11 step process.
- 13. A final face sanding with 280 grit finishing paper is performed to ensure a smooth finish.
- 14. A first top coat of 100% solid polyurethane is applied with a roller coat system.
- 15. Door travels through ultraviolet lite for curing.
- 16. A final top coat of 100% solid polyurethane is applied with a roller coat system.
- 17. Door travels through ultraviolet lite for curing.
- 18. Opposite face of door passes through the same 13 thru 17 step process.
- 19. Door is inspected both sides for quality control.

A 19-STEP PROCESS INSURING EVERY DOOR MEETS AWS Edition 1-2009 SYSTEM 9.



COLORS

PLS-100 CLEAR FINISH



ROTARY NATURAL BIRCH



ROTARY WHITE BIRCH



B PLAIN SLICED WHITE BIRCH



PLAIN SLICED RED OAK



5 PLAIN SLICED WHITE OAK





PLAIN SLICED CHERRY



PLAIN SLICED MAHOGANY



PLAIN SLICED WALNUT



10 PLAIN SLICED MAPLE



11 QUARTER CUT MAHOGANY

PLS-101 VILLAGE OAK



ROTARY NATURAL BIRCH







PLAIN SLICED WHITE BIRCH



4 PLAIN SLICED RED OAK



5 PLAIN SLICED WHITE OAK

RIFT CUT

RED OAK







8 PLAIN SLICED MAHOGANY







10 PLAIN SLICED MAPLE



11 QUARTER CUT MAHOGANY



PLS-102 INDONESIAN TEAK



ROTARY NATURAL BIRCH



2 ROTARY WHITE BIRCH



B PLAIN SLICED WHITE BIRCH



4 PLAIN SLICED RED OAK



5 PLAIN SLICED WHITE OAK





PLAIN SLICED CHERRY



PLAIN SLICED MAHOGANY



PLAIN SLICED WALNUT



10 PLAIN SLICED MAPLE



QUARTER CUT MAHOGANY



COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

Species

- **1** ROTARY NATURAL BIRCH
- 2 ROTARY WHITE BIRCH
- **3** PLAIN SLICED WHITE BIRCH
- 4 PLAIN SLICED RED OAK
- **5** PLAIN SLICED WHITE OAK
- 6 RIFT CUT RED OAK
- 7 PLAIN SLICED CHERRY
- 8 PLAIN SLICED MAHOGANY
- 9 PLAIN SLICED WALNUT
- **10** PLAIN SLICED MAPLE
- 11 QUARTER CUT MAHOGANY



6 RIFT CUT RED OAK



Very Important

The printed color samples presented in this Color Guide are to be used for reference only.

A Pre-finished Veneer sample has to be approved and returned to Lambton Doors before production.

Custom Color Match

At Lambton Doors we put a lot of care and hard work into our wood doors.

Using our state-of-the-art equipment in a bright, dust free environment, we ensure uniform color, texture and sheen.

If a desired color is not available from our standard Color Guide, our finish system can be easily customized to match any existing color you may desire.

Wood Particularities

Wood being a natural product with its own unique character, color and grain patterns can vary even when taken from the same tree.

When doors are stained or finished, any color variations that existed prior to finishing will show after finishing. These individual patterns are part of the natural charm and beauty of wood.

COLORS

PLS-103 STRATFORD MAHOGANY



ROTARY NATURAL BIRCH





8 PLAIN SLICED MAHOGANY

PLAIN SLICED

CHERRY



PLAIN SLICED WALNUT



10 PLAIN SLICED MAPLE



11 QUARTER CUT MAHOGANY

WHITE BIRCH

ROTARY



PLAIN SLICED WHITE BIRCH



PLAIN SLICED RED OAK



PLAIN SLICED WHITE OAK



6 RIFT CUT RED OAK

PLS-104 EMBASSY WALNUT



ROTARY NATURAL BIRCH



ROTARY WHITE BIRCH



PLAIN SLICED WHITE BIRCH



PLAIN SLICED RED OAK



PLAIN SLICED WHITE OAK





PLAIN SLICED CHERRY



PLAIN SLICED MAHOGANY



PLAIN SLICED WALNUT



PLAIN SLICED 1(MAPLE



QUARTER CUT MAHOGANY

1

PLS-105 ROSE WOOD



ROTARY NATURAL BIRCH



ROTARY WHITE BIRCH



PLAIN SLICED WHITE BIRCH



PLAIN SLICED RED OAK



PLAIN SLICED WHITE OAK







PLAIN SLICED CHERRY



PLAIN SLICED MAHOGANY



PLAIN SLICED WALNUT







QUARTER CUT 11 MAHOGANY



The mission of Lambton Doors is to develop, manufacture and sell high quality and value added interior wood doors and frames, of standard and ecological types, for the commercial, architectural and institutional markets.

These doors and frames meet the various North American building codes, as well as environmental codes when applicable, while respecting the customers' requirements.









COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

Customer Service

Telephone 418 486.7401 1 800 463.3124 (CAN) 1 800 363.2248 (USA)

Fax

418 486.7381 1 800 561.7443 (CAN/USA)

Web

www.lambtondoors.com info@lambtondoors.com

Architects and Designers You can also directly reach us at architect.designer@lambtondoors.com

Mail

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada





We believe in a transformed built environment contributing to a sustainable future.



The mark of responsible forestry

We believe in Good Forestry Stewardship Practices.

Active member of the planetary ecological movement





TECHNOLOGY DESIGN ENVIRONMENT

C. Français

Visit our Website

www.lambtondoors.com



Subscribe to our Newsletter, click here Canada USA



Watch our **Corporate Video**



AMBTON

2216-11-16-10-16,21 GOING FORWARD (1) LAMBTON DOORS NEW LAMETON GOORS sourceas as NEW CORPORATE LOOK and

over the next year we will be gradually updating our Manture with the new logistype and corporate image. Our inspiration in developing this new CONTEMPORARY AND MODERN (suite)

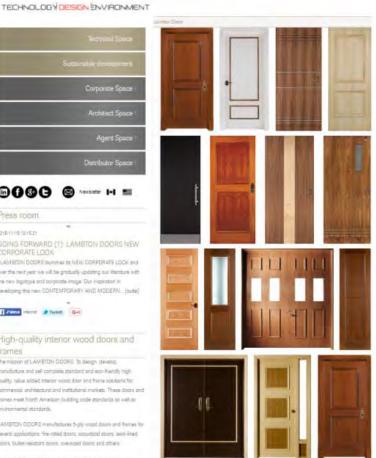
Talma insons @ Tweet. Get

High-quality interior wood doors and frames

The mission of LAMSTON COORS. Th design, develop, manufacture and sell complete standard and eco-friendly high quality, value added intensy wood door and frame solutions for operation architectural and institutional markets. These doors and frames meet North American building code grandants as well as environmental standarde.

LAMBTON DDDRS menufactures 5-ply wood doors and frames for several applications fire-rated doors accurtized doors land-lined doors, builet-realizant doors, oversized doors and others.

Ar LAMETON DOORS, we believe in a transformed built





COMMERCIAL AND ARCHITECTURAL DOOR MANUFACTURER

OPENINGS TO THE WORLD

Same high-quality

value-added interior wood doors and frames.

Now available with Asepti antimicrobial coated surfaces as an option.



Maintain usual daily proper hygiene and cleaning procedures as the Asepti option is not a substitute for established hygiene and disinfecting procedures. It does not protect users and others against existing bacteria, germs, mould and mildew.

We know

you need superior quality products and services above all. We now go further by offering you the Asepti option: wood doors and frames with antimicrobial coated surfaces at a very low cost.



Maintain usual daily proper hygiene and cleaning procedures as the Asepti option is not a substitute for established hygiene and disinfecting procedures. It does not protect users and others against existing bacteria, germs, viruses, disease organisms, mould and mildew. Coated surfaces of doors and frames must be cleaned to ensure they are free of destructive microbes. Lambton Doors makes no representations or warranties, express or implied, as to the effectiveness of SteriTouch[®].



The Asepti option is especially intended for heavy-traffic buildings such as educational and healthcare institutions, condominiums and hotels, offices, concert halls, military buildings and much more.

The Asepti option offers a real addedvalue to your doors and frames at a very low cost.

All additives are registered with the FDA, EPA and EFSA. Complies with JIS Z 2801:2000 independent testing.



Bacteria and microorganisms are present and travel within building areas. The Asepti option helps reduce contamination to objects and the growth of organisms such as bacteria, mould and fungi.

Asepti doors and frames incorporate builtin antimicrobial protection to shield coated surfaces from bacteria, germs, mould and mildew that may also cause staining and offensive odors.

The Asepti option inhibits the growth of microorganisms that may cause offensive odors.

The Asepti option utilizes the antimicrobial properties of ionic silver. It provides a cleaner surface and must be viewed as complementary to the usual proper hygiene and cleaning procedures used against bacteria, mould and mildew.



Complies with JIS Z 2801:2000 independent testing. The samples were tested according to the JIS Z 2801:2000 method, briefly summarized as follows:

Each test sample is inoculated with a suspension of the test organism. The inoculum is held in contact with the test sample using a sterile polyethylene film. All test samples are inoculated in triplicate, with an additional three replicates of the control.

The bacterial population of three control replicates is evaluated immediately following inoculation. This is assumed to be the initial population on all test samples (i.e. the population at zero hours).

The remaining samples are incubated for the test period (typically 24 hours) at $35 \,^{\circ}$ C, at which time the bacterial population is evaluated.



Customer Service

The Asepti option is non-toxic and has no environmental impact. No differences are visible on door or frame surfaces. Additives are added during the UV Finishing Line process. Additives are not affected by UV. Long-lasting properties. Cannot be wiped off, even with commercial chemical cleaners.



COMMERCIAL AND ARCHITECTURAL

Telephone: 418 486.7401 • 1 800 363.2248 (USA) • 1 800 463.3124 (CA Fax: 418 486.7381 • 1 800 561.7443 (CAN/USA) 235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com • info@lambtondoors.com

Architects and Designers

You can also directly reach us at architect.designer@lambtondoors.com





TECHNOLOGY DESIGN ENVIRONMENT









The Antimicrobial Smart Opening System

TECHNOLOGY DESIGN ENVIRONMENT

ASEPTI HealthCare

THE ANTIMICROBIAL SMART OPENING SYSTEM

ASEPTI HealthCare is an antimicrobial option for wood doors and hardware, specially intended for:

- Heavy-traffic buildings, such as healthcare institutions;
- Areas with a medium to high risk of hospital acquired infections.

ASEPTI HealthCare is a smart opening system, featuring:

- Doors with factory-installed hardware;
- On-site installation readiness, for:
 - Real savings in handling and administration time for the distributor,
 - **Real savings** in labour and on-site installation.

Manufactured in collaboration with Trimco Healthy Hardware™.





UNITED STATES CONSEQUENCES OF HOSPITAL ACQUIRED INFECTIONS¹

- 4th leading cause of death
- 100,000 deaths annually
- 2 million total infections per year
- Patients with infections are twice as likely to die
- \$45 billion in costs annually



WHY WORRY ABOUT HOSPITAL ACQUIRED INFECTIONS?



CANADA

CONSEQUENCES OF HOSPITAL ACQUIRED INFECTIONS

- 4th leading cause of death after heart attacks, cancer and stroke²
- 10% of patients (or 200,000) acquire an infection in the hospital ³
- 5% of these patients (or 10,000) die 3
- Canadians spend \$4 to \$5 billion each year to treat hospital acquired infections³



DOORS



ASEPTI: ANTIMICROBIAL SURFACE PROTECTION FOR DOORS

- Features the antimicrobial properties of silver ions.
- All additives are registered with the FDA, EPA and EFSA.
- Complies with JIS Z 2801: 2000 independent testing.
- Reduces the growth of organisms such as bacteria, germs, mould and mildew.

ANTIMICROBIAL SURFACE PROTECTION



- Reduces the growth of fungi that may cause staining and offensive odors.
- Inhibits the growth of microorganisms that may cause offensive odors.
- Ionic silver technology meets Medium Touch surface requirements.



The ASEPTI HealthCare option is not a substitute for established hygiene and disinfecting procedures. It does not protect users and others against existing bacteria, germs, mould, mildew and fungi. Maintaining usual daily proper hygiene and cleaning procedures is important.

IONIC SILVER TECHNOLOGY: ANTIMICROBIAL ACTION

Silver ions embedded in the material are released by ambient humidity and enter the cell membrane.

The silver ions destabilize the membrane, impede respiration and paralyze cell division while blocking DNA reproduction.



EFFICACY OF IONIC SILVER TECHNOLOGY AFTER 24 HRS

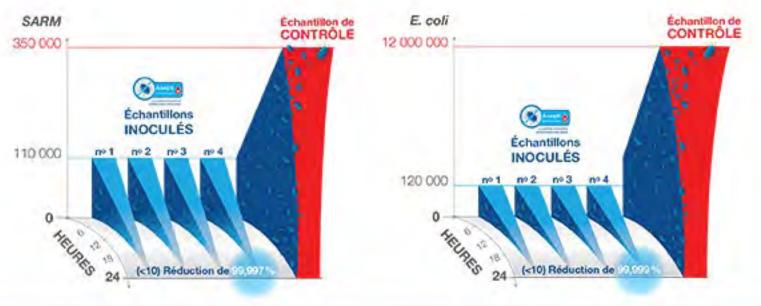


STERITOUCH® IONIC SILVER TECHNOLOGY

ANTIMICROBIAL PERFORMANCE OF SAMPLES CONTAINING STERITOUCH[®] IONIC SILVER ADDITIVES ⁴

Samples inoculated with methicillin-resistant *Staphylococcus aureus* (MRSA) bacteria

Samples inoculated with E. coli bacteria



LAMBTON DOORS makes no representations or warranties, express or implied, as to the effectiveness of SteriTouch[®].

HARDWARE



HEALTHY HARDWARE™

The ASEPTI HealthCare Series from LAMBTON DOORS features Healthy Hardware[™] by Trimco.

Healthy Hardware[™]:

- Has the bactericidal properties of CuVerro[®] copper alloy.
- Registered with the EPA (U.S. Environmental Protection Agency).
- 99.9% of bacteria are killed within 2 hours when surfaces are cleaned regularly.

In collaboration with



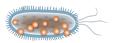
CUVERRO® COPPER ION TECHNOLOGY⁵

COPPER ION TECHNOLOGY: BACTERICIDAL ACTION

Copper ions on the surface of bacteria are recognized as essential nutrients and enter the cell.

A lethal dose of copper ions interferes with normal cell functions and membrane integrity.

Copper ions impede cell respiration/ metabolism, sometimes causing DNA damage.







- Kills the most virulent bacteria, such as methicillinresistant *Staphylococcus aureus* (MRSA) and *E. coli.*
- Kills bacteria for the entire useful life of the product.
- Looks like stainless steel to match other hardware products.
- Wide range of hardware and touch surfaces available.
- Made in the U.S.A. with pre- and post-consumer recycled materials.
- Copper alloy technology meets High Touch surface requirements.



Laboratory testing shows that, when cleaned regularly, CuVerro® surfaces kill more than 99.9% of the following bacteria within 2 hours of exposure: methicillin-resistant *Staphylococcus aureus* (MRSA), *Staphylococcus aureus*, *Enterobacter aerogenes*, *Pseudomonas aeruginosa*, *E. coli* O157:H7 and vancomycin-resistant *Enterococci* (VRE).

The use of CuVerro® bactericidal copper products is a supplement and not a substitute for standard infection control practices. Users must follow all current infection control practices, including those related to hygiene, cleaning and disinfection of environmental surfaces. The use of CuVerro® products has been shown to reduce microbial contamination but does not necessarily prevent cross contamination. CuVerro® is a registered trademark of GBC Metals, LLC and is used with permission (TR-0002-1509). See CuVerro.com for more details.

6



THE DEEP RICH BEAUTY OF WOOD

There are several competitive surface materials in the institutional door industry, yet nothing surpasses **the deep rich beauty of wood**. But what about resistance and health?

- Our UV Finishing System and 100% polyurethane solids result in wood doors with:
 - **Chemical and solvent resistance** comparable to high pressure decorative laminate (HPDL), meeting the ASTM D1308 standard;
- Impact resistance (1 lb. steel ball at 17 inches).
- Indoor wood surfaces also reduce stress and **promote health** in building occupants ⁶.

The beauty of wood may also comes with our blind edge (BE) option:

- Completely invisible crossbandIdeal for Extra Heavy Duty Use
- High impact resistance
- No risk of delamination

WHY CHOOSE WOOD DOORS?





COMBINE THE ASEPTI HEALTHCARE OPTION WITH EDGEFENDER, OUR IMPACT-RESISTANT DOOR EDGE PROTECTOR

A high percentage of damage to doors occurs on the door edges.

EDGEFENDER:

- Prevents condensation and microbial growth.
- Inhibits organisms from attaching to the door surface.
- Is made of ultra-resilient PVC for superior resistance and easy maintenance.
- Complements the pattern and color of the wood or door face veneer.

5. TRIMCO. Healthy Hardware™ by Trimco, *Hardware made with bactericidal copper*. Pages 3 and 5 of 6.

6. FELL, David. "Wood and Human Health", FPInnovations in collaboration with Natural Resources Canada and The University of British Columbia's A Piece of Mind. Page 6 of 6.



TECHNOLOGY DESIGN ENVIRONMENT



MISSION

At LAMBTON DOORS, our mission is to develop and manufacture high-quality, value-added interior wood doors and frames for our North American commercial, architectural and institutional clients.

To meet our clients' needs and respond to new market opportunities, we focus on the quality of our human resources, use state-of-the-art technologies and offer harmoniously designed, environmentally friendly products.



SUBSCRIBE TO OUR NEWSLETTER





USA

Fax 418 486.7381

1 800 561.7443 CAN / USA

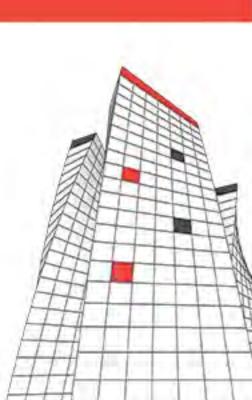
235, 2nd Avenue, Lambton

418 486.7401

1 800 463.3124 CAN 1 800 363.2248 USA

(Quebec) GOM 1H0 Canada

info@lambtondoors.com architect.designer@lambtondoors.com www.lambtondoors.com



Printed in Canada







FACTORY FINISHING

The LAMBTON DOORS' Factory Finishing Department is looking toward a constant improvement of the actual manufacturing process and the introduction of new productive technologies.

This is with people formed to get the maximum of this growing and moving environment that we can realize and produce innovative standard or customized doors meeting any practical or esthetical specifications.

In addition to that, the research and development of new components help us to reach our goal to produce doors of equal or superior quality at competitive price for our customers.





LAMBTON DOORS Factory Finishing V02 YT January 2017

TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.; 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248



The FSC® logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council®. Ask for our FSC® certified products.



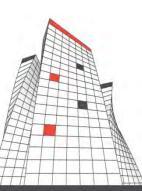
FACTORY MACHINING

At LAMBTON DOORS, our Factory Machining Department has state of the art C.N.C. technology available to produce special requirements.

Hardware preparations are done efficiently and accurately ensuring the specified hardware and door are one cohesive unit. From standard butt hinge preps to concealed vertical rod exit devices, the quality of our machining will reduce the installation time on site saving you additional expenses.



LAMBTON DOORS Factory Machining V02 YT January 2017



TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.; 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248



The FSC® logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council®. Ask for our FSC® certified products.



Photo Gallery

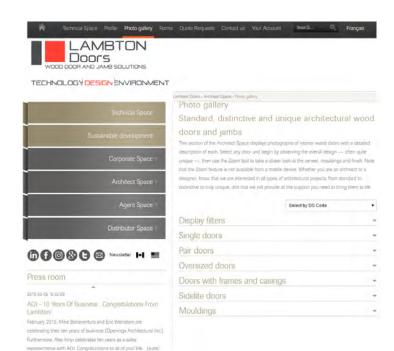
You may also consult our Website for Photo Gallery.

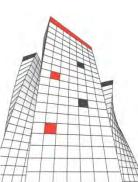


PHOTO GALLERY

Standard, distinctive and unique architectural wood doors and jambs

This section of the Architect Space displays photographs of interior wood doors with a detailed description of each. Select any door and begin by observing the overall design — often quite unique —, then use the Zoom tool to take a closer look at the veneer, mouldings and finish. Note that the Zoom feature is not available from a mobile device. Whether you are an architect or a designer, know that we are interested in all types of architectural projects, from standard to distinctive to truly unique, and that we will provide all the support you need to bring them to life.





TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.; 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248









Plain Sliced Book and Running Match Mouldings

Recessed Molding AM-10 Model Designer Series: Code DS-050

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.





TECHNOLOGY DESIGN ENVIRONMENT

info@lambtondoors.com architect.designer@lambtondoors.com www.lambtondoors.com Customer Service 1 800 463.3124 CAN 1 800 363.2248 USA



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





CARAMELIZED BAMBOO

Side Cut Slip Match Mouldings Panels **Designer Series : Code DS-007**

Panels

Natural Bamboo

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



NATURAL BAMBOO

Side Cut
Slip Match
Mouldings
Panels
Openings
Designer Series : Code DS-006

Panels

Caramelized Bamboo

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



BEECH

Plain Sliced Book Match

Inlays

Brass inlays

Designer Series : Code DS-002

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248





VISIT OUR WEB PHOTO GALLERY





Plain Sliced Book and Running Match Openings

Designer Series: Code DS-055

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





CHERRY

Plain Sliced Book Match Mouldings Openings

Designer Series : Code DS-012

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



CHERRY

Plain Sliced

Book Match

Mouldings

Designer Series : Code DS-018

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

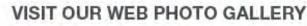
Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248











CHERRY

Plain Sliced Book Match

Heavy figured veneer

Designer Series : Code DS-026 Ebony Quarter Cut Book Match

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.



TECHNOLOGY DESIGN ENVIRONMENT

info@lambtondoors.com architect.designer@lambtondoors.com www.lambtondoors.com Customer Service 1 800 463.3124 CAN 1 800 363.2248 USA



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



ETIMOE

Plain Sliced

Book Match

Designer Series : Code DS-017

Stripes Avodire Quarter Cut Book Match Figured veneer

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248





VISIT OUR WEB PHOTO GALLERY



EUCALYPTUS FUME FIGURE

Quarter Cut Book and Center Balance Match

Door and hardware with Lambton Doors' ASEPTI HealthCare Antimicrobial Option Designer Series: Code DS-057

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.





VISIT OUR WEB PHOTO GALLERY



FENIX NTM

Door and hardware with Lambton Doors' ASEPTI HealthCare Antimicrobial Option Material: FENIX NTM Color: Nero Ingo Black 0720 Matte only - Other colors available Designer Series: Code DS-056

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) G0M 1H0 Canada



DOUGLAS FIR

Plain Sliced

Book Match

Designer Series : Code DS-014

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) G0M 1H0 Canada





HIGH DENSITY FIBER

PANEL

Casings

Inset panels

Wet look

Code DS-046.

Solid Color OC-68 with Sheen 90.

Mouldings in Walnut.

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



RIBBON KHAYA

Quarter Cut Book Match Mouldings Maple applied mouldings AM-04

Designer Series : Code DS-019

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





BRAZILIAN MAHOGANY

Plain Sliced

Book Match

Designer Series : Code DS-009

Tiles Anagre Quarter Cut Book Match Heavy figured veneer

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248









HONDURAS MAHOGANY

Plain Sliced

Openings

Designer Series - Code DS-045

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.



TECHNOLOGY DESIGN ENVIRONMENT

info@lambtondoors.com architect.designer@lambtondoors.com www.lambtondoors.com Customer Service 1 800 463.3124 CAN 1 800 363.2248 USA



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



BIRD'S EYE MAPLE

Plain Sliced Book Match Mouldings Panels **Designer Series : Code DS-008**

Panels Sapele Pommele Rotary Cut Book Match

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) G0M 1H0 Canada





WHITE MAPLE

Plain Sliced Book and Center Balance Match Mouldings Recessed mouldings AM-08

Designer Series : Code DS-022

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248











WHITE MAPLE

Plain Sliced Book and Center Balance Match Mouldings Inset panels

MP-160611-T Finish (Custom Stain) Molding AM-07 Model Designer Series: Code DS-052

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.



TECHNOLOGY DESIGN ENVIRONMENT

info@lambtondoors.com architect.designer@lambtondoors.com www.lambtondoors.com Customer Service 1 800 463.3124 CAN 1 800 363.2248 USA



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





WHITE MAPLE

Plain Sliced Book Match Mouldings Panels Stained **Designer Series : Code DS-010** ------Panels White Maple Plain Sliced Book Match Crossfire figured

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) G0M 1H0 Canada





WHITE MAPLE

Plain Sliced Book and Running Match Inlays Walnut inlays

Designer Series : Code DS-004

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



WHITE MAPLE

Plain Sliced Book and Running Match Panels **Designer Series : Code DS-020**

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





WHITE MAPLE

Quarter Cut Book and Running Match Inlays Metal inlays

Designer Series : Code DS-015

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) G0M 1H0 Canada



WHITE MAPLE

Quarter Cut Book and Running Match Designer Series : Code DS-021

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.



Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) G0M 1H0 Canada





RED OAK

Plain Sliced Book Match Mouldings Panels

Designer Series : Code DS-003

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





RED OAK

Plain Sliced Book Match Louvers

Designer Series : Code DS-013

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





RED OAK

Rift Cut Slip and Running Match Openings

Designer Series : Code DS-023

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248





VISIT OUR WEB PHOTO GALLERY





Rift Cut Book and Running Match

Light Beads LB-7 Model Horizontal Grain Antimicrobial ASEPTI Healthcare Option Designer Series: Code DS-051

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.



TECHNOLOGY DESIGN ENVIRONMENT

info@lambtondoors.com architect.designer@lambtondoors.com www.lambtondoors.com Customer Service 1 800 463.3124 CAN 1 800 363.2248 USA



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) G0M 1H0 Canada



SAPELE

Quarter Cut Slip Match Mouldings Panels

Designer Series : Code DS-024

Panels Sapele Quarter Cut Book Match Block mottled figure

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





SYCAMORE

Quarter Cut

Book Match

Figured veneer

Designer Series : Code DS-016

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com

Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





WALNUT

Plain Sliced

Book Match

Openings

Designer Series : Code DS-001

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





WALNUT

Plain Sliced Slip Match Mouldings Panels **Designer Series : Code DS-011**

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248











Plain Sliced Book and Running Match Brushed aluminum inlays Openings

Designer Series: Code DS-053

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.





TECHNOLOGY DESIGN ENVIRONMENT

info@lambtondoors.com architect.designer@lambtondoors.com www.lambtondoors.com Customer Service 1 800 463.3124 CAN 1 800 363.2248 USA





VISIT OUR WEB PHOTO GALLERY



WALNUT

Plain Sliced Book and Running Match Openings

Designer Series: Code DS-054

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.









WALNUT

Quarter Cut Book and Running Match Inlays

Top Inlays: Chrome Aluminum Middle Inlays: Satin Aluminum Bottom Inlays: Brushed Aluminum Designer Series: Code DS-047

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.



TECHNOLOGY DESIGN ENVIRONMENT

info@lambtondoors.com architect.designer@lambtondoors.com www.lambtondoors.com Customer Service 1 800 463.3124 CAN 1 800 363.2248 USA









WALNUT

Quarter Cut Book and Running Match Sketch face assembly Veneer stripe

Designer Series: Code DS-048 Stripes White Maple Plain Sliced

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.



TECHNOLOGY DESIGN ENVIRONMENT

info@lambtondoors.com architect.designer@lambtondoors.com www.lambtondoors.com Customer Service 1 800 463.3124 CAN 1 800 363.2248 USA



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) G0M 1H0 Canada





ZEBRAWOOD

Quarter Cut Book Match

Mouldings

Panels

Wenge mouldings

Designer Series : Code DS-005

Panels Zebrawood Box Match

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248









Quarter Cut

Veneer Recon2906 Houtline

Top & Right Grooves: U Type; 1/8" W x 3/32" D Middle & Middle Grooves: V Type; 1/8" W x 3/32" D Bottom & Left Grooves: U Type; 1/4" W x 3/32" D

Designer Series: Code DS-049

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.





TECHNOLOGY DESIGN ENVIRONMENT

info@lambtondoors.com architect.designer@lambtondoors.com www.lambtondoors.com Customer Service 1 800 463.3124 CAN 1 800 363.2248 USA



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





RED OAK

- **Plain Sliced**
- Book and Running Match
- Mouldings
- Openings
- Openings with LB7 mouldings

Applied mouldings AM-04

Designer Series : Code DS-027

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





SAPELE

Quarter Cut Slip Match Casings Inlays Dark stain **Designer Series : Code DS-029**

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) G0M 1H0 Canada





WENGE

Quarter Cut Book Match Mouldings Heavy figured veneer Maple casings and mouldings. White grains appearing on Wenge are a natural characteristic of this specie.

Designer Series : Code DS-028

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



EUROPEAN BEECH

(STEAM)

Quarter Cut Book Match Mouldings Panels Wiping stain Custom applied mouldings

Inset panels of same species

Designer Series : Code DS-033

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



EUROPEAN BEECH

(STEAM)

Quarter Cut

Book Match

Mouldings

Panels

Recessed mouldings AM-10

Inset panels imitation

Designer Series : Code DS-041

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



BEECH

Quarter Cut

Slip Match

Openings

Designer Series : Code DS-030

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.





www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) G0M 1H0 Canada



BEECH

Quarter Cut Slip Match Inlays Openings Metal inlays

Designer Series : Code DS-034

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



HIGH DENSITY FIBER

PANEL

Wet look

Openings

Opaque paint

Designer Series : Code DS-040

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





RED OAK

- **Plain Sliced**
- Book and Running Match
- Mouldings
- Openings
- Openings with LB7 mouldings

Applied mouldings AM-04

Designer Series : Code DS-027

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) G0M 1H0 Canada





SAPELE

Quarter Cut Slip Match Mouldings Panels Wiping stain Openings

Custom applied mouldings

Designer Series : Code DS-038

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



SAPELE

Quarter Cut Slip Match Mouldings Panels Wiping stain Openings Custom applied mouldings

Imitation of an inset panel with custom applied mouldings

Designer Series : Code DS-035

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



SAPELE

Quarter Cut Slip Match Mouldings Panels Wiping stain Custom applied mouldings

Designer Series : Code DS-036

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



SAPELE

Quarter Cut Slip Match Mouldings Panels Wiping stain Custom applied mouldings

Designer Series : Code DS-037

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com

info@lambtondoors.com

Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) G0M 1H0 Canada



WHITE MAPLE

Quarter Cut Book Match Inlays

Walnut inlays

Designer Series : Code DS-031

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



WHITE MAPLE

Quarter Cut Book Match Inlays Brushed aluminum inlays

Designer Series : Code DS-032

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



WENGE

Quarter Cut

Book Match

Designer Series: Code DS-039

Zebrawood

Panels

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.





www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) G0M 1H0 Canada





HIGH DENSITY FIBER

PANEL

Casings

Inset panels

Wet look

Code DS-046.

Solid Color OC-68 with Sheen 90.

Mouldings in Walnut.

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



NATURAL BAMBOO

Side Cut
Slip Match
Mouldings
Panels
Openings
Designer Series : Code DS-006

Panels

Caramelized Bamboo

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





SAPELE

Quarter Cut Slip Match Casings Inlays Dark stain **Designer Series : Code DS-029**

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





WALNUT

Plain Sliced Slip Match Mouldings Panels **Designer Series : Code DS-011**

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) G0M 1H0 Canada





WENGE

Quarter Cut Book Match Mouldings Heavy figured veneer Maple casings and mouldings. White grains appearing on Wenge are a natural characteristic of this specie.

Designer Series : Code DS-028

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





WHITE MAPLE

Plain Sliced Book Match Mouldings Panels Stained **Designer Series : Code DS-010** ------Panels White Maple Plain Sliced Book Match Crossfire figured

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada



NATURAL BAMBOO

Side Cut
Slip Match
Mouldings
Panels
Openings
Designer Series : Code DS-006

Panels

Caramelized Bamboo

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248 235, 2nd Avenue Lambton (Quebec) GOM 1H0 Canada





RED OAK

Rift Cut Slip and Running Match Openings

Designer Series : Code DS-023

LAMBTON DOORS designs and manufactures interior wood doors and frames for commercial, architectural and institutional purposes, featuring both standard and custom designs. Be sure to contact us for help with the design or completion of your project.

Visit our Web Photo gallery



www.lambtondoors.com

architect.designer@lambtondoors.com info@lambtondoors.com Customer service CAN: 1 800 463-3124 USA: 1 800 363-2248



TECHNOLOGY DESIGN ENVIRONMENT

C. Français

Visit our Website

www.lambtondoors.com



Subscribe to our Newsletter, click here Canada USA



Watch our **Corporate Video**



AMBTON

2216-11-16-10-16,21 GOING FORWARD (1) LAMBTON DOORS NEW LAMETON GOORS sourceas as NEW CORPORATE LOOK and

over the next year ive will be gradually updating our identiture with the new logistype and corporate image. Our inspiration in developing this new CONTEMPORARY AND MODERN (suite)

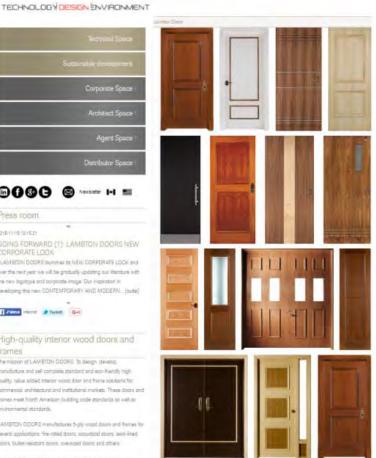
Talma insons @ Tweet. Get

High-quality interior wood doors and frames

The mission of LAMSTON COORS. Th design, develop, manufacture and sell complete standard and eco-friendly high quality, value added interior wood door and frame solutions for operation architectural and institutional markets. These doors and frames meet North American building code grandants as well as environmental standarde.

LAMBTON DDDRS menufactures 5-ply wood doors and frames for several applications fire-rated doors accurtized doors land-lined doors, builet-realizant doors, oversized doors and others.

Ar LAMETON DOORS, we believe in a transformed built







TECHNOLOGY DESIGN ENVIRONMENT

INSTALLATION INSTRUCTIONS AUTONOMY DOOR HARDWARE

SET OF PARTS FOR UT-4000HD: PARTS LIST

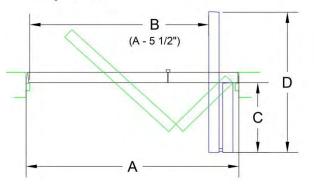
PARTS LIST: SET OF PARTS FOR UT-4000HD			
(LETTER - Description) Part	Illustration	Quantity	
(A) UT-4000 track rail		1	
(B) 8-mm (5/16-in.) hexagonal bolt		1	
(C) Upper pivot plate with 2 holes		1	
(D) 8-mm (5/16-in.) square nut		1	
(E) 8-mm (5/16-in.) hexagonal nuts	Ø	3	
(F) UT-4010 roller		1	
(G) 19-mm (3/4-in.) no. 8 screws	Ø	12	
(H) Lower pivot plate with 3 holes		1	
(I) 32-mm (1-1/4-in.) no. 10 screws		14	
(J) Mounting plates	600	3	
(K) Upper pivot		1	
(L) Lower pivot		1	
(M) Fascia (optional)		1	

INSTALLATION INSTRUCTIONS Hardware for autonomy door KC/YT PL-V04 01/2017 Page 1 of 6

REFERENCE CHART

(A) NET OPENING OF THE FRAME	(B) CLEAR WIDTH	(C) PIVOTING DOOR	(D) SLIDING DOOR
36 in.	30-1/2 in.	11-11/16 in.	23-7/16 in.
38 in.	32-1/2 in.	12-3/8 in.	24-3/4 in.
40 in.	34-1/2 in.	13-1/16 in.	26-1/16 in.
42 in.	36-1/2 in.	13-11/16 in.	27-7/16 in.
44 in.	38-1/2 in.	14-3/8 in.	28-3/4 in.
46 in.	40-1/2 in.	15-1/16 in.	30-1/16 in.
48 in.	42-1/2 in.	15-11/16 in.	31-7/16 in.

Top view



Sample measurements for an autonomy door:

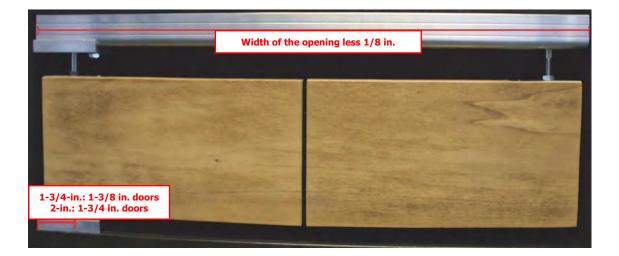
A = Net frame opening: 1,067 mm (42 in.).

B = Clear width: 927 mm (36-1/2 in.) or 42 in. - 5-1/2 in.

STEP-BY-STEP INSTALLATION INSTRUCTIONS

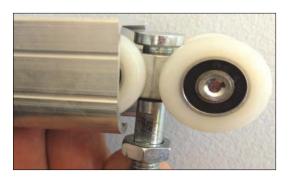
1. Cut the track rail (A) to the width of the opening less 3.2 mm (1/8 in.). Ψ

Note: Step 1 must be done onsite.



2. Insert the 8-mm (5/16-in.) hexagonal bolt (B) into the hole at the edge of the upper pivot plate with 2 holes (C). Screw the bolt into the 8-mm (5/16-in.) square nut (D) and insert the plate into the rail as shown in the image below to the right. ↓

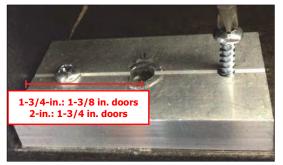




3. Screw an 8-mm (5/16-in.) hexagonal nut (E) onto the bolt of roller (F). Insert the roller into the rail \leftarrow at the opposite end from the pivot plate installed in step 2.

4. Screw the rail firmly in place at the top of the opening using the 19-mm (3/4-in.) no. 8 screws (G).

Screw the lower pivot plate with 3 holes (H) into the floor using the 32-mm (1-1/4-in.) no. 10 screws (I). ↓



<u>NOTE</u>

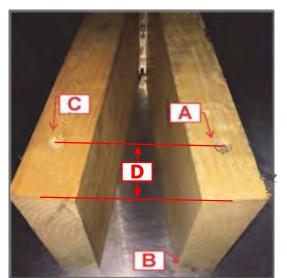
For 35-mm (1-3/8-in.) doors: The center of the pivot hole should be located 45 mm (1-3/4 in.) from the wall.

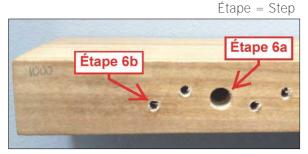
For 45-mm (1-3/4-in.) doors: The center of the pivot hole should be located 51 mm (2 in.) from the wall.

Note: Step 6 is usually done at the factory. If not, proceed as follows.

6a. Drill holes in the top and the bottom of the doors using a 10-mm (3/8-in) bit (not included). The holes must be at least 38 mm (1-1/2 in.) deep and located 41 mm (1-5/8 in.) from the edge of the doors. ↓ (D below)

Drill holes in the top (A below) and bottom (B below) of the pivoting door. Drill a hole in the top \clubsuit (C below) of the sliding door.





6b. Using a mounting plate (J) \uparrow as a guide, drill starter holes (pilot holes) using a 3-mm (1/8-in.) bit (not included). The holes should be at least 25 mm (1 in.) deep.

The continuous hinge and finger guard are preinstalled at the factory. \rightarrow



7. Center a mounting plate on the top of the pivoting door with the flat side facing out. Using the starter holes, screw it in place Ψ with 32-mm (1-1/4-in.) no. 10 screws.



Repeat this step for the sliding door.

8. Screw the upper pivot (K) \checkmark into the mounting plate on the top of the pivoting door.



9. Center the second mounting plate on the bottom of the pivoting door with the flat side facing out. Using the starter holes, screw it in place with 32-mm (1-1/4-in.) no. 10 screws.

Screw an 8-mm (5/16-in.) hexagonal nut onto the lower pivot (L). Now screw the lower pivot into the mounting plate just installed Ψ on the bottom of the pivoting door.





 Raise the door and screw the roller bolt into the mounting plate on the top of the sliding door. →



INSTALLATION INSTRUCTIONS Hardware for autonomy door KC/YT PL-V04 01/2017

Page 5 of 6

11. Insert the upper and lower pivoting door pivots into the appropriate holes as shown. Ψ

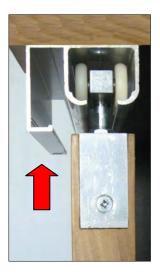


12. Adjust the level of the door by screwing in or out the pivot at the bottom of the pivoting door and the roller bolt at the top of the sliding door. The door is properly adjusted when the door moves smoothly with the roller.

Attention! The roller must not support the weight of the door. Finally, lock the adjustments in place Ψ by tightening the 8-mm (5/16-in.) hexagonal nuts against the mounting plates.



13. Open the door and install the fascia (M), if included, using 19-mm (3/4-in.) no. 8 screws (not included). →



DOOR SERIES



TECHNOLOGY DESIGN ENVIRONMENT

ASSEMBLING INSTRUCTIONS FOR DOORS OVER 48 IN. WIDE (1219 MM)

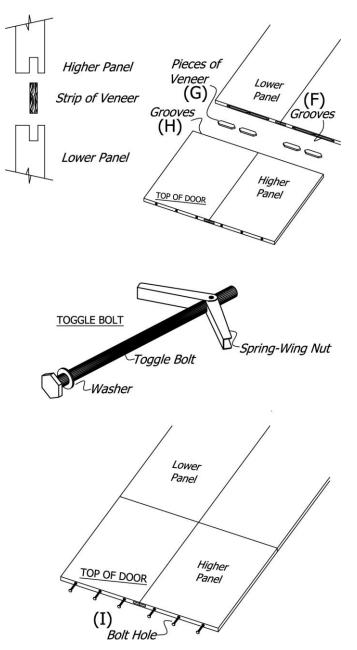
- Groove of the junction edge Strip of veneer Groove of the junction edge Be sure the grooves are at the same level on Strip of veneer working surface Threaded roc Temporary fastening block system (bar clamps) Final door assembly
- 1. To proceed with the door assembly, you will need a Robertson screwdriver #8, two 7/16 in. wrenches and carpenter glue.
- 2. Horizontal working surface must be clean of all dust or particles that could scratch or damage the door surfaces.
- 3. As shown at left, put the two panels of the door to be assembled side-by-side with the *grooves of the junction edges* face to face. As illustrated, be sure the *grooves* are at the same level on the working surface.
- 4. Leave enough space between the two panels in such a manner as to be able to easily insert the supplied *strip of veneer*.
- 5. Also, be sure the two panels are <u>exactly at the same</u> <u>top and bottom level</u>.
- 6. Apply carpenter glue into the *grooves of the junction edges.* Avoid any excess of glue. Insert the *strip of veneer* into one of the *groove of the junction edge.* Then join this panel to the second panel of the door.
- 7. Insert *threaded rods* into the *temporary fastening blocks* used as bar clamps at top and bottom of the panels. Adjust each of them to a reasonable and uniform pressure, not too much.
- 8. If necessary, wipe off any excess glue from door face with a damp cloth or as per carpenter glue **manufacturer's instructions** and let it dry.
- 9. Once dry, **as per manufacturer's instructions, remove** *threaded rods*, unscrew the *temporary fastening block systems* and recycle them.

DOOR SERIES



TECHNOLOGY DESIGN ENVIRONMENT

ASSEMBLING INSTRUCTIONS FOR DOORS OVER 120 IN. LONG (3 048 MM)

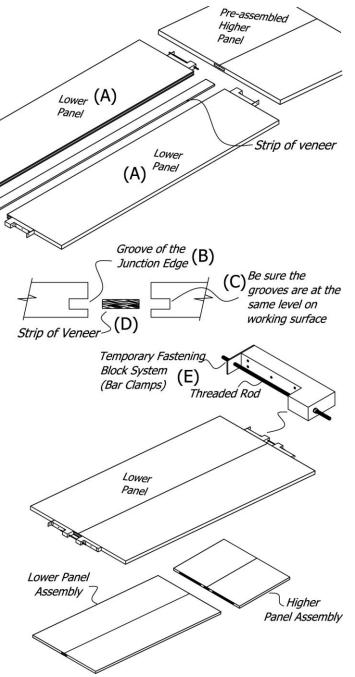


- 1. To proceed with the door assembly, you will need a Robertson screwdriver #8, two 7/16 in. wrenches and carpenter glue.
- Apply carpenter glue into the *grooves* at top of the *lower panel* (F) of the door to be assembled. Avoid any excess of glue. Then insert the supplied *pieces of veneer* (G) into these *grooves*.
- Apply carpenter glue into the *grooves* at bottom of the *higher panel* of the door (H). Avoid any excess of glue. Then join this panel to the *lower panel* of the door.
- 4. Adjust the *spring-wing nuts* to be at 1/2 in. **maximum** from the end of the supplied *toggle bolts*.
- 5. Insert carefully, with *spring-wing nut* parallel to the door face, each *toggled bolts* into the *bolt holes* (I) as shown on drawing at left. You will then ear the "click" from the opening of the *spring-wing nut*.
- 6. Screw each bolt with a reasonable and uniform pressure, not too much.
- 7. If necessary, wipe off any excess glue from door face with a damp cloth or as per carpenter glue manufacturer's instructions.
- 8. Let it dry as per carpenter glue manufacturer's instructions.

DOOR SERIES



TECHNOLOGY DESIGN ENVIRONMENT

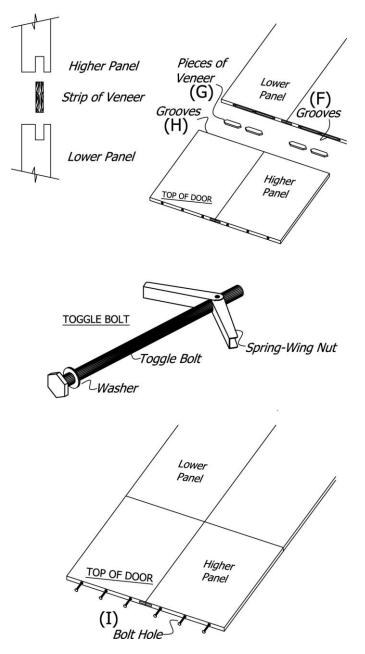


ASSEMBLING INSTRUCTIONS FOR DOORS OVER 48 IN. WIDE (1219 MM) AND OVER 120 IN. LONG (3048 MM)

STEP ONE Assembling of lower panel door

- 1. To proceed with the door assembly, you will need a Robertson screwdriver #8, two 7/16 in. wrenches and carpenter glue.
- Horizontal working surface must be <u>clean of all dust or</u> <u>particles</u> that could scratch or damage the door surfaces.
- As shown at left, put the *lower panels* (A) of the door to be assembled side-by-side with the *grooves of the junction edges* (B) face to face. As illustrated, be sure the *grooves* are at the same level (C) on the working surface.
- 4. Leave enough space between the two panels (D) in such a manner as to be able to easily insert the supplied *strip of veneer*.
- 5. Also, be sure the *lower panels* are <u>exactly at the same</u> top and bottom level.
- Apply carpenter glue into the grooves of the junction edges (B). Avoid any excess of glue. Insert the strip of veneer into one of the groove of the junction edge. Then join this *lower panel* to the second *lower panel* of the door.
- 7. Insert *threaded rods* into the *temporary fastening blocks* (E) used as bar clamps at top and bottom of the *lower panels.* Adjust each of them to a reasonable and uniform pressure, not too much.
- 8. If necessary, wipe off any excess glue from door face with a damp cloth or as per carpenter glue **manufacturer's instructions** and let it dry.
- Once dry, as per manufacturer's instructions, remove threaded rods, unscrew the temporary fastening block systems and recycle them. Then unscrew, remove and recycle the veneer blocks located into the grooves at top of the lower panels (under the temporary fastening blocks you just removed).

$$\rightarrow$$



STEP TWO Assembling of the door

- Apply carpenter glue into the *grooves* (F) at top of the *lower panel* of the door to be assembled. Avoid any excess of glue. Then insert the supplied *pieces of veneer* (G) into these *grooves*.
- Apply carpenter glue into the *grooves* (H) at bottom of the supplied *pre-assembled higher panel* of the door. Avoid any excess of glue. Then join this panel to the assembled *lower panel* of the door.
- 12. Adjust the *spring-wing nuts* to be at 1/2 in. **maximum** from the end of the supplied *toggle bolts*.
- 13. Insert carefully, with *spring-wing nut* parallel to the door face, each *toggled bolts* into the *bolt holes* (I) as shown on drawing at left. You will then ear the "click" from the opening of the *spring-wing nut*.
- 14. Screw each bolt with a reasonable and uniform pressure, not too much.
- 15. If necessary, wipe off any excess glue from door face with a damp cloth or as per carpenter glue manufacturer's instructions.
- 16. Let it dry as per carpenter glue manufacturer's instructions.



USA : 1 800 363.2248 Can : 1 800 463.3124 <u>sales@lambtondoors.com</u>

Commercial and Architectural Doors Acoustical Door STC Hardware Installation Instructions for Acoustical STC45 Doors

Thank you for choosing a Lambton Doors product.

Certain factors could influence the acoustical rating of the STC45 Class door, one of them being the precision with which the hardware is installed. For example, a small leak in the airtightness of the joints will significantly decrease the acoustical performance of the door.

For maximum effectiveness, please verify the following three points :

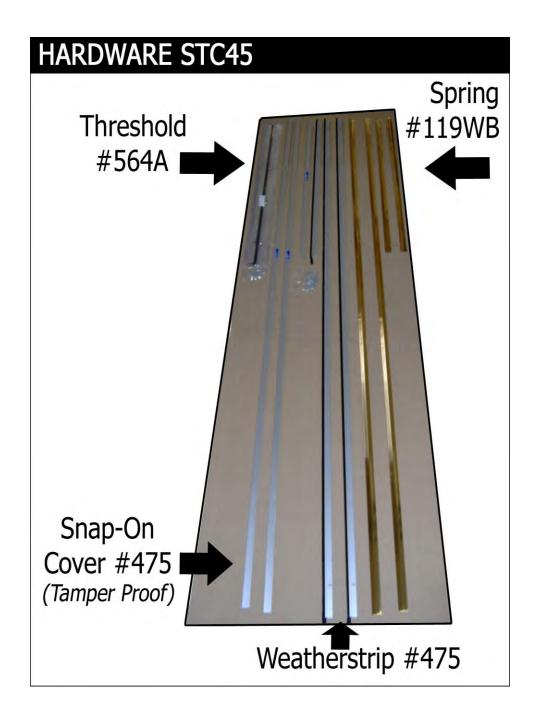
- 1. First, the frame must be set square.
- 2. The frame must be well sealed to the wall.
- 3. Be sure that the acoustic seals that are installed on the head and the jambs, on the bottom rail of the door, as well as on the doorstops, are adjusted so that **no light can pass through**.

List of tools required for installation :

- 1. An electric drill.
- 2. A Philips screwdriver.
- 3. A Pre-hole bit 3/32 in (2.38mm).
- 4. A hacksaw.

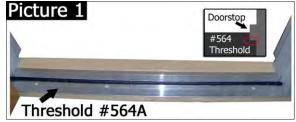
Before installing the hardware, be sure that the **door is correctly installed in its frame**. (Refer to point 7)

Hardware for acoustical STC45 class doors supplied by Lambton Doors :



Instructions for installing hardware for STC45 class acoustical doors :

1. Install the **rabetted threshold #564A**. First cut the threshold to the required length with your hacksaw. Be careful to cut around the doorstop. (See picture #1 and technical drawing on last page of document)





2. Next install the **acoustic seal Spring #119WB** on the jamb, on the side of the hinges, approximately 1/2 in (13 mm) from the doorstop. (Picture #2)

3. Install the same type of acoustic seal on the jamb, on the side of the door handle, approximately 1/2 in (13 mm) from the doorstop.

4. Cut the acoustic seal Spring #119WB **at right angles** at the height of the strike as illustrated. (Picture 3) Fold back the corners of the acoustic seal toward the interior **at a 45° angle**, as illustrated by the arrows. (Picture 3)

5. Install an acoustic seal Spring #119WB on the head of the frame approximately 1/2 in (13 mm) from doorstop. (Technical drawing)





Spring #119WB

The acoustic seal «Weatherstrip 7. #475» must be installed on the doorstop of the head and the jambs, the rubber part against the door. (Picture 5 and technical drawing) **Before permanently installing** the acoustic seals drill the pre-holes.

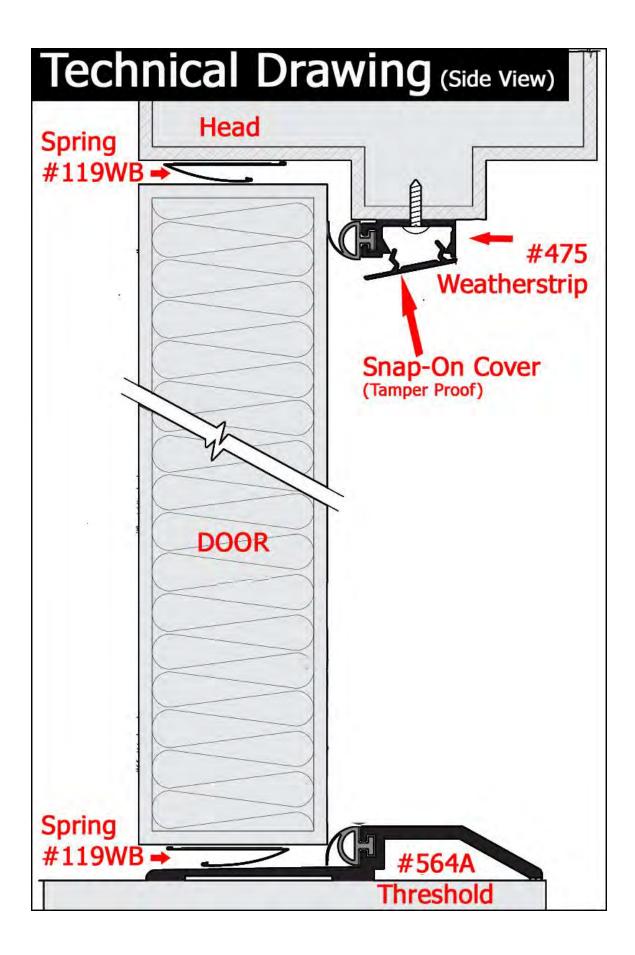
Take note: The rubber part of the 8. Weatherstrip #475 should compress to about one quarter when the door is closed. Then the permanent installation of the acoustic seal on the frame can be done.

Attach the acoustic seal Spring 6. #119WB on the bottom rail of the door. (Picture 4 and technical drawing)



Now install the acoustic seals on the two jambs. Then attach the Snap-On Covers (technical drawing) before installing the acoustic seal on the head

9. Install the acoustic seal on the head. Then attach the Snap-On Cover. (Technical drawing)





Français

Visit our Website

www.lambtondoors.com



Subscribe to our Newsletter, click here Canada USA



Watch our **Corporate Video**



AMBTON

2216-11-16-10-16,21 GOING FORWARD (1) LAMBTON DOORS NEW LAMETON GOORS sourceas as NEW CORPORATE LOOK and

over the next year ive will be gradually updating our identiture with the new logistype and corporate image. Our inspiration in developing this new CONTEMPORARY AND MODERN (suite)

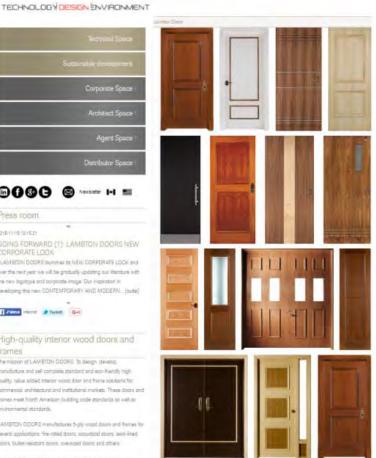
Talma insons @ Tweet. Get

High-quality interior wood doors and frames

The mission of LAMSTON COORS. Th design, develop, manufacture and sell complete standard and eco-friendly high quality, value added interior wood door and frame solutions for operation architectural and institutional markets. These doors and frames meet North American building code grandants as well as environmental standarde.

LAMBTON DDDRS menufactures 5-ply wood doors and frames for several applications fire-rated doors accurtized doors land-lined doors, builet-realizant doors, oversized doors and others.

Ar LAMETON DOORS, we believe in a transformed built





LAMBTON JAMB SERIES

TECHNOLOGY DESIGN ENVIRONMENT

INSTALLATION INSTRUCTIONS Non-Rated & 20 minute wood jambs

IMPORTANT NOTICE

WARRANTY WILL BE HONORED ONLY IF THE JAMBS HAVE BEEN INSTALLED IN ACCORDANCE WITH THESE INSTALLATION INSTRUCTIONS

GENERAL INFORMATION

Note

- Wood wedges may be used in the installation procedures. Therefore, only the term "wedge" will be mentioned in this document.
- You may install any solid wood or veneer covered M.D.F as a casing.
- To avoid damaging your jamb, all screw holes should be pre-drilled for #8 screws using a 3/32" (0,24 mm) drill bit. Holes which are from 65–70% of the diameter of the screw are best.

Wall requirements

- Walls framed with wood or metal studs or masonry construction.
- Framing: wood of a nominal dimension of 2" x 4" (5,08 cm x 10,16 cm) or a steel frame (25 ga.) of at least 2-1/2" (6,35 cm).
- Minimum width : 3-5/8" (921 mm).

Jamb Types	TJ/00-20 45-60-90 RJ/00-20 45-60-90 SJ-00	SJC-00	CFJ-00	CFJ-60 CFRJ-60	TJS/45 60-90 RJS/45 60-90
Rough Opening Dimensions	Width + 2- 3/4" (70 mm) Heigth + 1- 3/8" (35 mm)	Width + 2- 1/2" (64 mm) Heigth + 1- 1/4" (32 mm)	Width + 3- 1/2" (89 mm) Heigth + 1- 3/4" (44 mm)	Width + 3- 3/4" (95mm) Heigth + 1- 7/8" (48mm)	Width + 2" (51 mm) Heigth + 1" (25 mm)

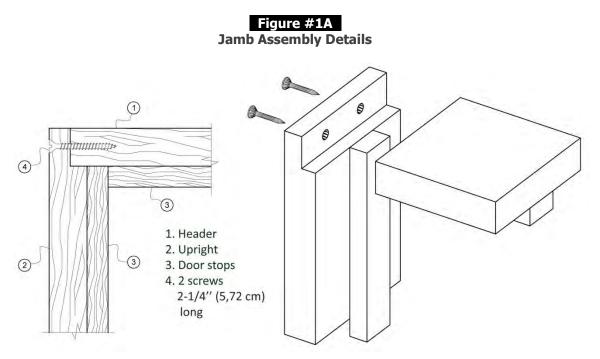
• For single or pair doors

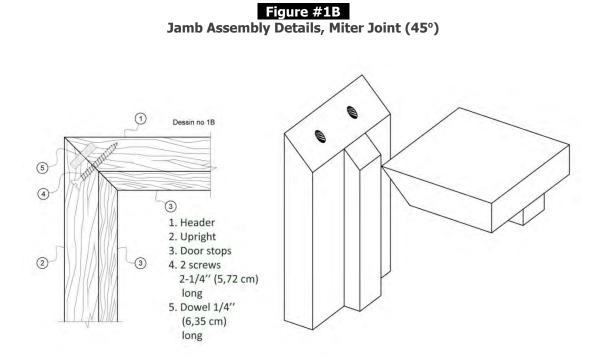
Examples

After finished floor.
Width: Interior opening of the frame + 2-3/4" (70 mm) Heigth: Interior opening of the frame + 1-3/8" (35 mm)
For a 36" x 84" interior opening (914 mm x 2 134 mm) rough opening should be: Width: 36" x 2-3/4" = 38-3/4" (984 mm) Heigth: 84" + 1-3/8" = 85-3/8" (2 169 mm)

JAMB ASSEMBLY

Line up the header with the jamb uprights. Insert 2 #8 screws 2-1/4" (5,72 cm) long through the pre-drilled holes at the top of each jamb upright. See figure #1A.





Align and square the assembled door jamb inside the rough opening of the wall. Install the wedges approximately 2" (5,08 cm) from the top and bottom of each hinges to fill the space between the upright and the wall. Fix upright with #8 screws 2-1/4" (5,72 cm) long, 2-1/2" (6,35 cm) from the edge in such a manner to be hidden by the door stop once installed, and centered on the height of the wedges. After, do the same to the other upright. Ensure that the header and uprights are plumb and square. See figure #2.

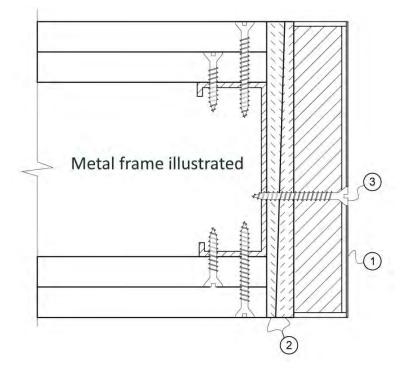


Figure #2 Installing the wedges and fixing the uprights to the rough opening

🛈 Jamb

Wedges installed each side of the jamb

#8 screws 2-1/4" (5,72 cm) long, centered on wedge height and 2-1/2" (6,35 cm) from edge on hinge side

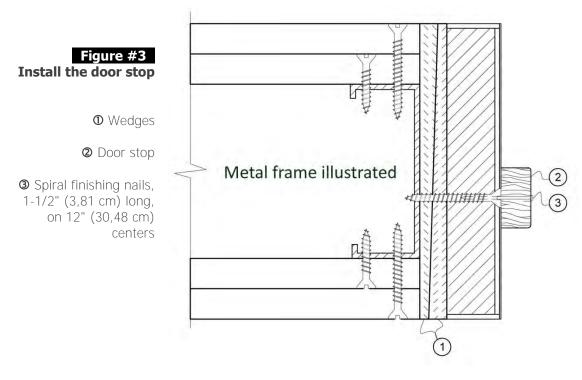
INSTALLING THE DOOR IN THE FRAME

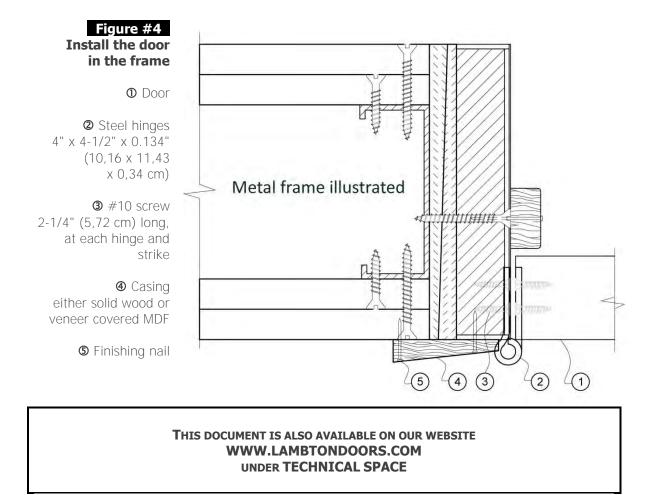
Hang the door in the jamb using only the top and bottom hinges. Close the door to verify and adjust the alignment of the door stops and to make sure that the maximum space between the door and the jamb is 1/8" (0,32 cm) both between the header and the uprights. In the case of paired doors, the same 1/8" (0,32 cm) space should be between the doors. Once the alignment is completed, install the wedges, with a maximum of 26" (66,04 cm) on centers, between the wall and the uprights as well as the header. Screw in and tighten #8 screws 2-1/4" long (5,72 cm) through the uprights into the wall centered on the wedges; and through the header into the wall centered on the wedges. Check the opening again and adjust as needed. Install the remaining hinges with the screws supplied, except for one 2-1/4" (5,72 cm) #10 screw that will be screwed through the $2" \times 12" (5,08 \text{ cm} \times 30,48 \text{ cm})$ steel plate that you have previously set in place.

Door stops, supplied loose, must be installed with 1-1/2" (3,81 cm) spiral finishing nails on 12" (30,48 cm) centers.

FINISHING

Check and adjust the hardware to insure that the door closes and latches automatically. Remove the excess wedge material on each side of the door jamb either by breaking or sawing them.







LAMBTON JAMB SERIES

TECHNOLOGY DESIGN ENVIRONMENT

INSTALLATION INSTRUCTIONS 45/60/90 MINUTE CERTIFIED WOOD JAMBS

IMPORTANT NOTICE

WARRANTY WILL BE HONORED ONLY IF THE JAMBS HAVE BEEN INSTALLED IN ACCORDANCE TO THESE INSTALLATION INSTRUCTIONS

GENERAL INFORMATION

Note

- Wood wedges may be used in the installation procedures. Therefore, only the term "wedge" will be mentioned.
- Any type of non flammable silicone caulking or quick setting compound may be used where caulking is mentioned (see figure #4).
- You may install any solid wood or veneer covered M.D.F. no smaller than 1/2" thick by 2" wide (1,27 cm x 5,08 cm) as a casing.
- To avoid damaging your jamb, all screw holes should be pre-drilled for #8 screws using a 3/32" (0,24 cm) drill bit. Holes which are from 65–70% of the diameter of the screw are best.

Wall requirements

- Walls framed with wood or metal studs or masonry construction.
- Framing: wood of a nominal dimension of 2" x 4" (5,08 cm x 10,16 cm) or a steel frame 25 ga. of at least 2-1/2" (6,35 cm).
- Minimum thickness: Slim Type 4-5/8" (11,7 cm), Standard Type 5" (12,7 cm).

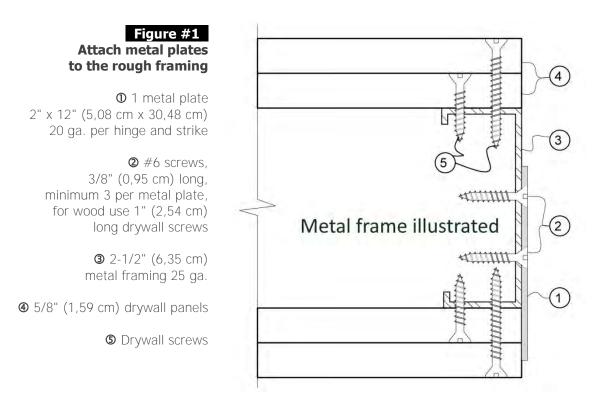
Types	TJ/00-20 45-60-90 RJ/00-20 45-60-90 SJ-00	SJC-00	CFJ-00	CFJ-60 CFRJ-60	TJS/45 60-90 RJS/45 60-90
Rough Opening Dimensions	Width + 2-3/4 " (70 mm) Height + 1-3/8 " (35 mm)	Width + 2-1/2 " (64 mm) Height + 1-1/4 " (32 mm)	Width + 3-1/2 " (89mm) Height + 1-3/4 " (44mm)	Width + 3-3/4 " (95mm) Height + 1-7/8 " (48mm)	Width + 2 " (51 mm) Height + 1 " (25 mm)

Note

- o All dimensions of the components are rough dimensions.
- For masonry walls, a minimum 2" x 3" (5,08 cm x 7,62 cm) frame should be fixed to the wall using expanding masonry anchors of at least 3/8" (0,95 cm) with a maximum of 26" (66,04 cm) center to center.

PREPARATION OF THE ROUGH OPENING

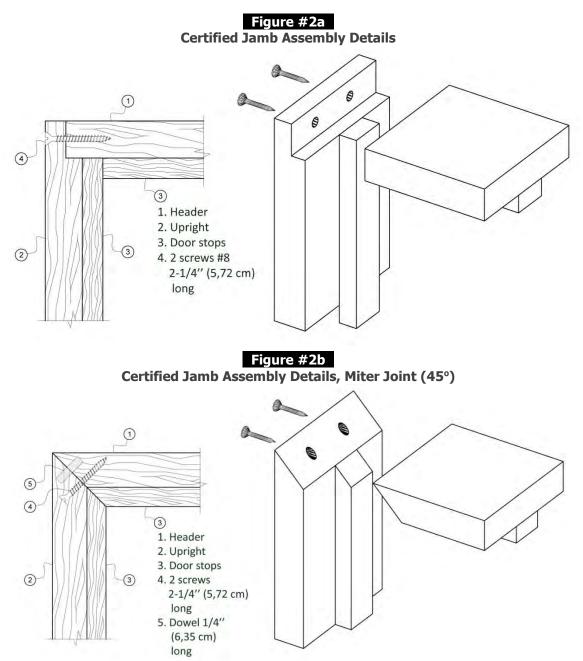
Steel plates 2" wide by 12" long (5,08 cm x 30,48 cm) 20 ga. are needed but not included for 90 minute certified wood jambs. Steel plates are optionals for 45 and 60 minutes certified wood jambs. These plates will be used as supplementary anchoring for the hinges and the strike on the jamb uprights and header if required. The plates should be centered on the height of each hinge as well as the strike with at least 1" (2,54 cm) exceeding past each extremity. Attach each plate to the rough framing with 3 suitable anchors spaced about 5" (12,7 cm) apart: use #6 screws 3/8" (0,95 cm) long for steel frames; for wood frames, use 1" (2,54 cm) long drywall screws. See figure #1.



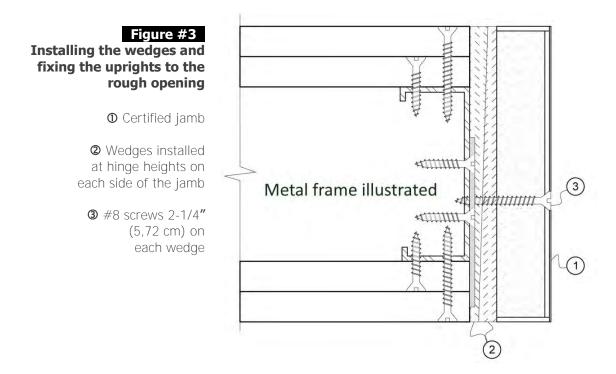
If needed, you may remove up to 3/4" (1,91 cm) from the base of each jamb upright during the installation of the jamb in the opening. Be sure that you do not have to reduce or remove any material from the bottom of the door itself. Some doors may not be trimmed from the bottom.

JAMB ASSEMBLY

Line up the header with the jamb uprights. Insert 2 x 8 screws 2-1/4'' (5,72 cm) long through the pre-drilled holes at the top of each jamb upright. See figure #2.



Align and square the assembled door jamb inside the rough opening of the wall. Install the wedges approximately 2" (5,08 cm) from the top and bottom of each hinges to fill the space between the upright and the wall. Fix upright with #8 screws 2-1/4" (5,72 cm) long, 2-1/2" (6,35 cm) from the edge in such a manner the screws to be hidden by the door stop once installed, and centered on the height of the wedges. After, do the same to the other upright. Ensure that the header and uprights are plumb and square. See figure #3.



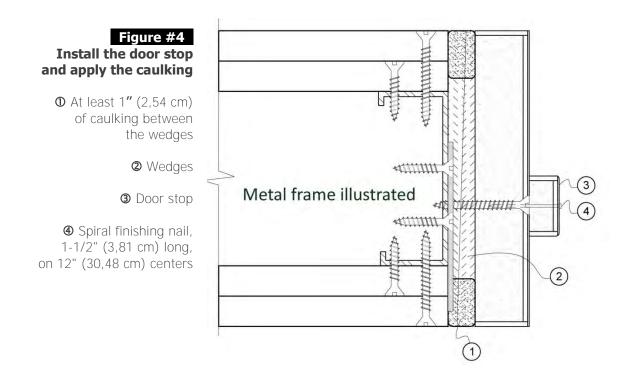
INSTALLING THE DOOR IN THE FRAME

Hang the door in the jamb using only the top and bottom hinges. Close the door to verify and adjust the alignment of the door stops and to make sure that the maximum space between the door and the jamb is 1/8" (0,32 cm) both between the header and the uprights. In the case of paired doors, the same 1/8" (0,32 cm) space should be between the doors. Once the alignment is completed install the wedges with a maximum of 26" (66,04 cm) on centers, between the wall and the uprights as well as the header. Screw in and tighten #8 screws $2-1/4" \log (5,72 \text{ cm})$ through the uprights into the wall centered on the wedges; and through the header into the wall centered on the wedges if they were needed. Check the opening again and adjust as needed. Install the remaining hinges with the screws supplied, except for one 2-1/4" (5,72 cm) #10 screw that will be screwed through the $2" \times 12" (5,08 \text{ cm} \times 30,48 \text{ cm})$ steel plate that you have previously set in place.

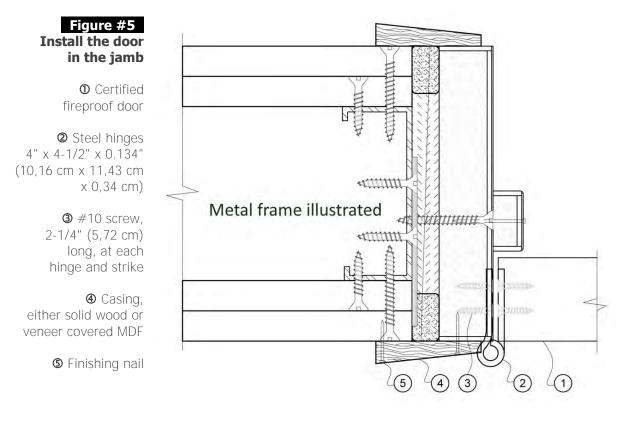
Door stops, supplied loose, must be installed with 1-1/2" (3,81 cm) spiral finishing nails on 12" (30,48 cm) centers.

FINISHING TOUCHES

Check and adjust the hardware to insure that the door(s) close and latch automatically. Remove the excess wedge material on each side of the door jamb either by breaking or sawing them. Apply the caulking in such a manner as to fill in the spaces between the jamb and the wall to a depth of at least 1" (2,54 cm). See figure #4. This can be accomplished with trowels or with a tube of caulking and a pistol grip caulking dispenser. For masonry walls, smooth the caulking between the jamb and the wall.



After the caulking material has hardened, install the casing to cover the spaces between the jamb uprights, header and the walls with finishing nails on a maximum 24" (60,96 cm) centers. See figure #5. The nails should be of a length that gives a penetration into the frame of at 1/2" (1,27 cm).



THIS DOCUMENT IS ALSO AVAILABLE ON OUR WEBSITE WWW.LAMBTONDOORS.COM UNDER TECHNICAL SPACE



C. Français

Visit our Website

www.lambtondoors.com



Subscribe to our Newsletter, click here Canada USA



Watch our **Corporate Video**



AMBTON

2216-11-16-10-16,21 GOING FORWARD (1) LAMBTON DOORS NEW LAMETON GOORS sourceas as NEW CORPORATE LOOK and

over the next year ive will be gradually updating our identiture with the new logistype and corporate image. Our inspiration in developing this new CONTEMPORARY AND MODERN (suite)

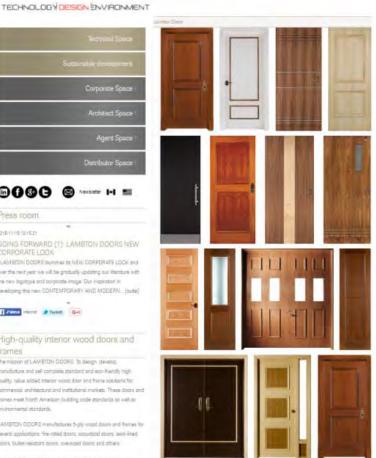
Talma insons @ Tweet. Get

High-quality interior wood doors and frames

The mission of LAMSTON COORS. Th design, develop, manufacture and sell complete standard and eco-friendly high quality, value added interior wood door and frame solutions for operation architectural and institutional markets. These doors and frames meet North American building code grandants as well as environmental standarde.

LAMBTON DDDRS menufactures 5-ply wood doors and frames for several applications fire-rated doors accurtized doors land-lined doors, builet-realizant doors, oversized doors and others.

Ar LAMETON DOORS, we believe in a transformed built







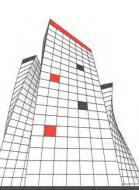
COLOR APPROVAL FORM

from our website

	LAMBTON DOOR 235, 2nd Avenue, Lambton (Quebe GOM 1H0 Canad Can: 1 800 463-312					
TECHNOLOGY <mark>DESIGN</mark> ENVIRONMENT	USA: 1 800 363-2248 Fax: 1 800 561-7443					
COLOR APPRO	VAL FORM					
Contact:						
Company:						
ambton Production:						
Quote Number:						
Project Name:						
Custom Color #:						
/eneer Species:						
sproved by type or print):						
signature:						
)ate:						
NPORTANT his Color Approval Form must be returned as so s PO to maintain your lead time. Any Color Deve	lopment requested at the same time or					
fter the PO has been receive will see the lead tin pproved.	ie start to count once the color is					

. 800 561-7443

AMBTON DOORS - Color Approval Form YT / FR - V03 February 2017



TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.; 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248







DOOR SAMPLE REQUEST FORM

from our website

	Do	ors	TON			
TECHNO	LOGY	DESIGN	ENVIRONMENT			
		REQUEST F				
		TRUCTION	MPLE TYPE REQUEST			
Series :		ological	5 Ply Standard	7 Ply Standard		
	Drop-o	lown list	 Drop-down list 	Drop-down list		
Ply and thickness :	5 Ply		1-3/4" (44 mm) :			
	7 Ply		Other :			
	7119					
Species and quantity :		Species :	Drop-down list	Quantity		
		Other :	Specify here	Specify here		
Plant finishing		0	ut	Grade		
PLS 100	Ve	ur choice :	Drop-down list			
Non finish	10	Other :				
		Assemb		AL		
		Drop-dow	n list			
Note						
Write here if necessary						
Project name * :						
Bid # * :			(Please add the bid to your r	equest)		
Quantity of doors * :						
Company name : Contact person :						
Street address :						
City :						
State :						
Zip code :						
Phone :						
Fax :						
E-mail :						
Date :						
Signature : Vithout this information we ca	poot quarteste	o that complete	will match products when and	er is placed		
without this information we ca	nnocydarante	e triat samples	will match products when ord	er is placeu.		
Please fax to LAMBTON DOORS at	1 866 877	8630				
or send to samples@lambtondoo				YT V04- 02/2017		



TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.; 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248



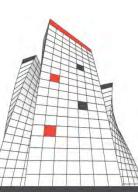




HARDWARE PREMACHINING FORM

from our website

CONALCHICS ALIMINATION UNIX FROM 32-2001 (ACCRESS) ARE ARE 1 WOOD SPECIES DOOR TYPE HARDWARE GROUP SET UTE 92E (HRIDN) LOUVER 52E (TATLOUT) I WOOD SPECIES DOOR TYPE HARDWARE GROUP SET UTE 92E (HRIDN) LOUVER 52E (TATLOUT) I PRAME OPENING PARS HINGE MRG # LOCK STILE LOCK STILE LOCK STILE DOOR TYPE PREME OPENING PARS HINGE MRG # LOCK STILE LOCK STILE DOOR TORE SOURCE PREME DOOR EDGE SEE DEPTH TYPE TYPE PREME DOOR EDGE PREME DOOR EDGE PREME DOOR EDGE PREME DOOR EDGE PREME DOOR EDGE PREME DOOR EDGE PREME DOOR EDGE PREME DOOR EDGE PREME DOOR EDGE PREME DOOR EDGE PREME DOOR EDGE PREME DOOR EDGE PREME DOOR EDGE PREME DOOR EDGE PREME EDUESTED TYPE PREME EDUESTED PREME EDUESTED TOP MORAL UNRERSHED EDUESTED TOP MORAL UNRERSHED EDUESTED TOP MORAL UNRERSHED EDUESTED TOP MORAL UNRERSHED EDUESTED TOP	
WOOD SPECIES DOOR TIME HARDWARE GROUP SET LITE SIZE (MISON) LOWER SIZE (SUFFORT) FRAME OPENING PARS W X H W X H FRAME OPENING PARS HANDE MEG B LOCK STILE LOCK STILE LOCK STILE DOOR TIME FREAT COOR X H W X H W X H FREAT COOR X H W X H W X H SUGAR TIME EXPLANT B LOCK STILE LOCK STILE LOCK STILE BURGH SUGAR TIME SUGE DEPTH TIPE TIPE TIPE TIPE SUGAR TIME 2 BEVEL 2 BEVEL DEPTH TEMPLATE F PONCTION # ELOCKIRG FINISHINGLINE FOR LOCK WITHEN BOLTS TEMPLATE F TOP MD RAL UNFROME UNFROME	
PRAME OPENING PARES LOCK STILE LOCK STILE PRESETTOOR Y PRESETTOOR BOTTON HUL BOTTON HUL BOTTON HUL BULLO Y SUZE DEPTH TYPE TYPE TYPE SOUVRIE THENELLE 2 BEVELS MORTHOLES REDUESTED TOP HUL BUCKING PRISMICS SOUVRIE THENELL 2 BEVELS MORTHOLES REDUESTED TOP MORAL PRISMICS	
PRAME OPENING PARES LOCK STILE LOCK STILE PROVIDE YREST DOOR TEMPLATE # TOP RAIL BOTTOM RAIL BULLON YREST DOOR SUZE DEPTH TYPE TYPE TYPE SOUVARE THEVEL 2 BEVELS MORTHOLES REQUESTED TOP MORTAL ENDORME SOUVARE THEVEL 2 BEVELS MORTHOLES REQUESTED TOP MORTAL ENDORME	
X Down Late # Top RAIL BOTTON NAIL BULLON X SZE DEPTH TOP RAIL BOTTON NAIL BULLON X SZE DEPTH TYPE TYPE TYPE TYPE SOUVALE TEMPLATE # FUNCTION # DEPTH TOP BULONING PRISHING SOUVALE TEMPLATE # FUNCTION # TOP MORTAL UNFRUCHED	
x book Depth Type Type BOOK EDGE PLOTHOLES REQUESTED TYPE Type SQUARE 1 BEVEL ZEEVELS MORTISE LOOK FINISHING DOOK UNFREQUESTED TOP MORTISE LOOK FINISHING	
SOURRE DOOR EDGE PLOT HOLES REQUESTED FUNCTION # BLOCKING FINISHING	
SQUARE TOP MD RAL UNFINISELOCK TEMPLATE # FUNCTION # BLOCKING FINISHING	
TOP MD RAL UNFRISHED	
LOCK WITHRU BOLTS TEMPLATE #	ETAILS
	_
	_
TO EXIT DEVICE TEMPLATE # REMARKS	
LOCK DEADLOCK LATCH TEMPLATE+ HOLL CONTINUE OFFICE	HAND
COMPTRY SALE AND ADDRESS SALE AND ADDRESS SALE X	
CYMARICA FLUSH BOLTS TEMPLATE# X	
LLOOK	-
DAMETER X	
CLOSER OPENING X	1
AUTOMATIC DOOR BOTTOM TEMPLATE #	
BACKSET	-
Trx214* Privots TEMPLATE#	
11/1/2 1/4" PRIOTS TEMPLATE# X	



TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.; 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248







QUOTE REQUEST FORM

from our website

-	-	4	0	8 · =	4	<u>A</u> -				. 9	- 4	d Pros	-		NUE	-			5	- 1	~ ~	1	-	Movem	tume Me	the sous for of tablelu *	re Styler de (etc.ce)	incere Las
•	ntiise	-	d de séc	arité Du cont	inu aiti	t a etc i	Jesastre	ŧ	Cot	10111																		
4	+	9	f.	1				_	_	_			_		_		_	_		_								
	8	LA	AME	r r a		41.8	L	ы	QL	JOTI	ERE	QUE	ST F	ORM	U M	19	×	Y Z	aa al	AC	AD.	AE Á	Ben		AL Maish175	A11 17		SFM
		ACC. MY	AND DESIGN		Comp		-		-	Q 13	erto	(USA)	inia 1	Cust		_	-		Quote									
				ARCHARM	Addre	_		-	-	-	-	-	-	Last	onnes	-	-	_	Projec			-		_				
			0078.36		Conta	_								Phot				-	Ship			-						
125	2"Au	ibac, 1 Bieth	-		E-mai	t	_			_	_	_	_	Fuel	Ŀ.,	_			Ettim	ated	Deliv	ery Die	÷					
-	Fact	ory C	oonlinat	e	-	1.00	WI Gas	ily Cert	En és	nProg	yaris i	Letter	-	UC	ANT (OPEN	NG	-	-	-	-	-	1.00	WURS	_			
Stiles/Edges Macking/ME BindriffE F Competitie/CE BindriffE F V000 VENEER FACED F Species: FIRE				FSC Centred (LEED MPe7) No added Unea Formadeligue (LEED DOoA 4) Respired Content (LEED MPo4 (MPix 42) FIRE RATE TEST METHOD						Man Rister Funch door taper (Dryddoo Carlon Orly Mea Valon Prame Fall Wood Bast MMF Venew Vaged Lip Vood Bast model								-	Curso Deg Voor Sar Voor Sar Austrectura 299° Sar Mela 800 Almanaan Mela 800 Almanaan									
Aces Daw Downer OC Rel (Step March Prositive Pressure Special March Pressure				N Cal	'B' 20min Wood Baad							Matal Vision Frank							÷									
-	ade:				P.MP.				_	_		-	-	5550/S0min Vanwered Elean									PACKAGING					
	Man and	CLA	MINATE	Color I			TORY FI Infinished		ante	15.0	c i	hined				tory Gia	ang	-	1400					Carlound.				
1			iges I PE	Lorin mail b			initia de la companya		Childon	Cold	1	And				w Non P		F	-	_	_			Polytes			esePaabia	
T	Corre	1	Coler	1584	Ener.	Light	Lower	1	Fel.	Tek.	-	Sena 1	-	1 miles	fans.	rim.	-	Tars.						FRAME	Via	Taulter		(density)
ŧ	47		Fixing.	HHELINH		204	101		144	11.0	Seek	Set.	M	8+1	Red.		der.	144		-	Tay.	Sect in	** ***	crowne	THICKNESS	Construction of the second	Surfit	energy and
ł	-	5.	-	1	-	-				-		-	-		-		-	-			-		-	-	-		_	
t	-	1			-	-	-		-	-		-	-		-	-	-	-	-		+		+		-	_	-	
t		17.		1.4															-							-	-	
I		1.					1.1																				21	
Ι		Π.																										
Ι		101	1		-		0.11											1										
ſ		Ç-		14		-			1			1	1.1	1.1														
I		17.		- 18											117								-					
1		£.				11.11	12.25								111				-							1		
1	_	5								_							_	_			1					_		
1		E.																	_									
1		1		18						_			_													_	_	
	_	5				1.1	10.11																					_
T				10	1			1.00						1			1				1		1		1.0			



TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.; 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248







PRE-FINISHED SAMPLE REQUEST FORM

from our website

	те	wood doo	AMBT	
	SA	AMPLE	REQUES	ST FORM
	PLEAS	E FILL OUT OI	NE FORM PER SAM	MPLE TYPE REQUEST
	ISHED VENEE			SHED VENEER KIT SAMPLES
	Quantity:		Spec	ies:
FACTORY FI	NISH C	UT	MATCH	
PLS 100		P/S	B/R	Grade:
PLS 101	1		В/В	
PLS 102	1		□ в/с/в	Other:
PLS 103	1	Rift Cut	S/R	
PLS 104	I	Other:	S/B	
PLS 105			S/C/B	
PLS 106 F				
UNFINISH	IED			
Please no Project n Quotatio	ame *:			shed Veneer Sample. Ask our Customer Service for information. (Please attach quote with request)
	of doors * :			
Company				
Contact	idress :			
Street ad				
Street ad City :	-			
Street ad City : State :	. –			
Street ad City : State : Zip Code				
Street ad City : State : Zip Code Phone :				
Street ad City : State : Zip Code Phone : Fax :				
Street ad City : State : Zip Code Phone : Fax : E-mail :				
Street ad City : State : Zip Code Phone : Fax : E-mail : Date :	-			
Street ac City : State : Zip Code Phone : Fax : E-mail : Date : Signature			ehat eamadae sill mode	products when order is placed



TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.; 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248

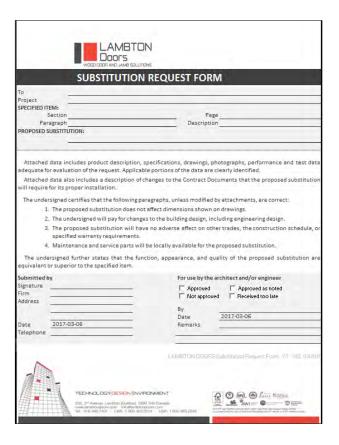


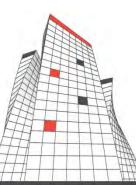




SUBSTITUTION REQUEST FORM

from our website

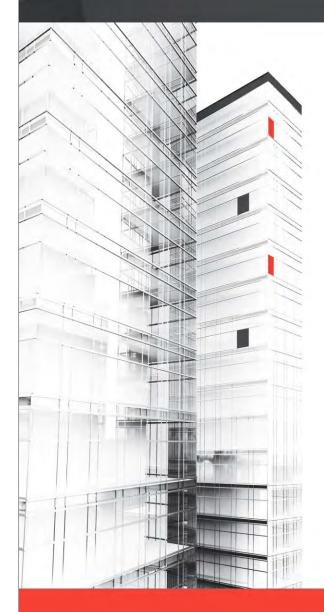




TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.; 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248







CERTIFICATE OF COMPLIANCE

LAMBTON DOORS CERTIFIES THAT OUR PRODUCTS LISTED ON FILE NUMBER ______ COMPLY IN ALL ASPECTS SET FORTH IN SPECIFICATION SECTION _____.

THESE PRODUCTS ARE INTENDED FOR USE IN THE FOLLOWING PROJECT:

UNDER NO CIRCUMSTANCES SHOULD THESE PRODUCTS BE USED IN ANY OTHER BUILDING OR APPLICATION THAN FOR WHAT THEY WERE INTENDED.

DATE: _____ LAMBTON DOORS

LD-V02 03/2017



When "products" is mentionned in this warranty, it refers to our doors and iambs.

A. GENERAL INFORMATION

- 1. LAMBTON DOORS warrants all products sold under this warranty, except those expressly excluded from this warranty, for the time period as set forth in Section E below from the date of shipment to be of good material and workmanship and to be free of defects which would render said products unserviceable or unfit for their ordinary recommended use.
- 2. This warranty applies to purchasers of the described doors and jambs. It may also extend to resale/supply of the products to the end-user/owner at the point of original installation. If required, claims must be processed solely through the initial supplier. Any implied warranties which the purchaser may have are limited to the terms, duration and conditions of this warranty mentioned on Section E below. This warranty is effective from the date of shipment.
- 3. LAMBTON DOORS will, at its option, either (1) repair any product without charge or (2) replace any product without charge in whatever stage of fitting or finishing as it was originally supplied, or (3) refund the price received by LAMBTON DOORS for any product. IF A DOOR OR JAMB IS FOUND DEFECTIVE, WRITTEN NOTICE OF ANY CLAIM UNDER THIS WARRANTY MUST BE GIVEN TO LAMBTON DOORS IMMEDIATELY, INCLUDING DIGITAL PICTURES. In the case of a defect reasonably discoverable by inspection of each product upon receipt of shipment notice must be given to LAMBTON DOORS within thirty (30) days thereafter shipping and before the product is installed or treated in any matter.
- 4. In any of the above cases, LAMBTON DOORS will not accept any "back charge" due to re-hanging or re-finishing.
- 5. LAMBTON DOORS will not be liable for products repaired or replaced without its prior written consent. LAMBTON DOORS will not pay for removal and re-installing if the defect for which the product is being rejected was apparent prior to installation. Action on any claim for warp or telegraphing may be deferred, at the option of the manufacturer, for a period not to exceed twelve (12) months from the date of written claim. If a door has been installed prior to such claim being made, the door must remain hung in the original installation, during the period of deferment, to permit conditioning to humidity and temperature.

B. ALLOWANCES/TOLERANCES

- 1. Stile, rail and core show-through (telegraphing) on hardwood veneered flush doors will not be considered as a defect unless the faces of the door vary from a true plane in excess of 1/100 inch in any 3" (7.62 mm) span.
- 2. Warp will not be considered a defect unless it exceeds 1/4" (6.4 mm) in the plane of the door itself. Warp is any distortion in the door itself and does not refer to the relation of the door to the frame or jamb in which it is hung. In measuring the amount of warp present in a door, the following method will be used: bow, cup and twist will be measured by placing a straightedge, taut wire or string on suspected concave face of the door at any angle (horizontally, vertically, diagonally), with the door in its installed position. The measurement of bow, cup and twist will be made at the point of maximum distance between the bottom straightedge, taut wire and the face of the door.
- 3. The following warp allowances are for 1-3/4" (44.5 mm) or thicker doors. For doors wider than 3'6" (1066.8 mm) and less than 7' (2133.6 mm) in height, the warp should not exceed 1/4" (6.4 mm) in a section 3'6" (1066.8 mm) by height of the door. For doors wider than 3'6" (1066.8 mm) and higher than 7' (2133.6 mm), the warp should not exceed 1/4" (6.4 mm) in any 3'6" (1066.8 mm) by 7' (2133.6 mm) section. For doors up to and including 3'6" (1066.8 mm) wide and over 7' (2133.6 mm) in height, the warp should not exceed 1/4" (6.4 mm) in any 7' (2133.6 mm) length of a door section.
- 4. Structural composite lumber (SCL) core door with full glass will be honoured by the lifetime warranty with the following conditions:
 - a) Maximum door size is 4'0" (1219.2 mm) x 10'0" (3048 mm).
 - b) If machined for a cylindrical lock, a minimum 5" (127 mm) stile must be maintained, with a 5" (127 mm) top rail and a 12" (304.8 mm) bottom rail.

- WARRANTY FOR WOOD DOORS AND JAMBS
- c) If machined for a mortise lock, a minimum distance of 7" (177.8 mm) is required from lite cut out to the edge of the door, if not a 5" (127 mm) minimum is required.

Refer to our lite cut-out info details for all other stile, top rail, and bottom rail requirements.

Any other machining may void the previous statements.

5. Job site preparation for surface applied hardware, function holes for mortise locks, hole for labeled viewer, a maximum 3/4" (19 mm) wood and composite door undercutting, and protection plates will be permitted. Surface applied hardware is installed on the face of the door without removing material other than round holes drilled through the face to receive cylinders, spindles, similar operational elements, and through bolts. The holes will not exceed a diameter of 1" (25.4 mm) with the exception of cylinders. This information is according to NFPA 80. Any other on site modification will void fire label.

- 1. Unsatisfactory service or appearance caused by failure to follow the Appendix "How to store, handle, finish, install and maintain wood doors and jambs" covered by this warranty.
- 2. THE APPEARANCE OF FIELD FINISHED DOORS AND JAMBS IS NOT GUARANTEED UNDER ANY CIRCUMSTANCES.
- 3. THE APPEARANCE OF FIELD GLAZING IS NOT GUARANTEED UNDER ANY CIRCUMSTANCES.
- 4. NATURAL VARIATIONS IN THE COLOUR OR TEXTURE OF THE WOOD ARE NOT TO BE CONSIDERED AS DEFECTS.
- 5. The warranty against 1/4" (6.4 mm) max. warp deviation does not apply to the following:
 - a) Doors less than 1-3/4" (44.5 mm) thick that are wider than 3'0" (914.4 mm) or higher than 7'0" (2133.6 mm).
 - b) Doors with face veneers of different species.
 - c) Doors that are improperly hung or do not swing freely.
- d) Doors hung without a hinge or pivot for every 30" (762 mm) of door height.
- 6. This warranty does not cover doors with:
 - a) Any cut-outs for lites and/or louvers nearer than 5" (127 mm) from any edges of the doors.
 - b) Cut-outs having:
 - For mineral core: Less than 5" (127 mm) between adjacent cutouts for locks, hardwares, louvers and lites.
 - For structural composite lumber (SCL) and stave lumber (SLC) cores: Less than 1-1/2" (38.1 mm) between adjacent cut-outs for locks, hardwares, louvers and lites.
 - For particleboard core (PC): Less than 1-1/2" (38.1 mm) between adjacent cut-outs for locks, hardwares, louvers and lites. Total cut-out area exceeding 40% of the door face with LD-1 core.
 - c) Field glazing installation that does not comply with LAMBTON DOORS glazing instruction.
- 7. Products that are stored longer than six (6) months.
- 8. Products with dimensions altered by others.
- 9. Products shipped outside of North America.
- 10. EXTERIOR APPLICATION VOIDS THIS WARRANTY.

D. NON-EXTENDED WARRANTY

There are no warranties that extend beyond the foregoing, and LAMBTON DOORS sole responsibility under this warranty is as stated herein. LAMBTON DOORS will not be liable for consequential, indirect or incidental damages, or for any amount in excess of the manufacturer's price for the shipment involved, whether the claim is for breach of warranty or nealigence.

E. DURATION OF WARRANTY

Life of original installation.

Embossed doors have a 1 year limited warranty.

C. MATTERS EXCLUDED FROM THIS WARRANTY



HOW TO STORE, HANDLE, FINISH, INSTALL AND MAINTAIN WOOD DOORS AND JAMBS

When "products" is mentionned in this warranty, it refers to our doors and jambs.

Improper storage, handling, finishing, installation and maintaining of wood doors and frames may result in severe damage to the products. The following guidelines will help to maintain the high quality products supplied by LAMBTON DOORS.

STORAGE AND HANDLING

- Doors and jambs should always be stored flat in clean and dry surroundings. Cover with tarp or opaque plastic wrapping to keep clean and protect them from dust and light, and allow air circulation. If stored for long periods, the top and bottom of unfinished doors must be sealed.
- 2. Doors and jambs should not be exposed to excessive moisture, heat, dryness, or direct sunlight.
- 3. Doors and jambs should always be handled with clean hands or while wearing clean gloves.
- 4. When carried, products should be lifted and not dragged across one another.
- 5. Certain species such as cherry, mahogany, walnut, teak are more susceptible to discoloration if exposed to either sunlight or some intense artificial light. To protect products that have been unpacked on the field from light damage, cover with tarp or opaque plastic wrapping.
- Store products at least 4" (101.6 mm) off floor, flat on a level surface in a clean, dry, well-ventilated area protected from sunlight, wide swings in relative humidity, and abnormal heat or cold. Relative humidity should not be less than 25% nor more than 55%.

FIELD FINISHING

- 1. Prior to finishing, insure that the heat and the building atmosphere are at normal, interior relative humidity. Insure that the doors and jambs have been allowed to equalize to a stable moisture content.
- Wood is hygroscopic, and dimensionally influenced by changes in moisture content caused by changes within its surrounding environment. To assure uniform moisture exposure, and dimensional control, all surfaces must be finished equally.
- 3. Products without factory-applied primer coat. Before finishing, remove all handling marks, raised grain, scuffs, burnish and other undesirable blemishes by block sanding all surfaces in a horizontal position with a 120, 150 or 180 grit sandpaper. To avoid cross grain scratches, sand with the grain.

Products with factory-applied primer coat. Before finishing, remove all handling marks, raised grain, scuffs, burnish and other undesirable blemishes by block sanding all surfaces in a horizontal position with a 180 or 220 grit sandpaper. To avoid cross grain scratches, sand with the grain.

- 4. Certain species of wood, particularly oak, contain chemicals which react unfavorably with certain finishes causing dark stain spots. Therefore, the species/finish combination should be tested prior to finishing. Notify your finish supplier immediately if any undesirable reaction is noticed. Do not continue with the finishing until the problem is resolved. LAMBTON DOORS can not be held responsible for these reactions.
- 5. The same consistency of finish must be applied on both sides of the door and each part of the wood frame.
- 6. All exposed wood surfaces must be sealed, including top and bottom rails, cut-outs and hardware preps.
- 7. To achieve the desired results of color uniformity, finish build, gloss and reduce the frequency of refinishing, **obtain and follow finish manufacturers' recommendations**.
- 8. Be sure the surface being finished is satisfactory in both smoothness and color after each coat. Allow adequate drying time between coats. Desired results are best achieved by following the finish manufacturers' recommendations.

INSTALLATION

1. The utility or structural strength of the doors and jambs must not be impaired in fitting to the opening, in applying hardware, in preparing doors for lites, louvers, or plant-ons or other detailing.

- Clearances between door edges and door jamb should be a minimum of 1/16" (1.6 mm) on the hinge edge and 1/8" (3.2 mm) on the latch edge and top rail.
- 3. All hardware locations, preparations for hardware, and methods of hardware attachment must be appropriate for the specific door construction. Templates for specific hardware preparation are available from hardware manufacturers.
- 4. Installer must drill pilot holes before installing hinges. Check screw manufacturers' recommendations for size of pilot holes required. Failure to follow these procedures voids door warranty.
- 5. Install all fire rated doors according to NFPA 80.
- 6. Install jambs as per installation instructions.
- Apply the sealer, primer and first coats of the required finish immediately after fitting and cutting for hardware and before the installation of any hardware.
- 8. The appearance of field glazing is not guaranteed under any circumstances.

All factory pre-finished doors and jambs should be checked on jobsite against approved *Pre-finished Veneer samples* prior to installation. **INSTALLATION OF PRE-FINISHED DOORS AND JAMBS ON JOBSITE WILL CONSTITUTE FINAL ACCEPTANCE OF THE PRODUCTS.**

DOOR INSTALLATION INSTRUCTIONS IN THE FRAME for 45, 60 and 90 minute fire rated mineral core door

- 1. For best results, screw holes should be pre-drilled at the factory.
- If screw holes are not pre-drilled at the factory, installer MUST pre-drill for screws to ensure effective screw holding and prevent splitting during installation. Check screw manufacturers' recommendations for proper pilot hole dimensions.
- If torque is too great screw gun will strip screws, torque should then be adjusted to prevent stripping. All final tightening of screws SHOULD be done with handled screwdriver.
- If for any reason doors need to be removed from openings, do not remove hinges from doors. Remove hinges from frame and leave hinges attached to doors.
- 5. LAMBTON DOORS will not repair or replace doors damaged by improper installation.
- 6. Failure to follow these procedures and recommendations will void door warranty.

MAINTENANCE

When cleaning door surfaces, use a non-abrasive commercial cleaner designed for cleaning wood door or paneling surfaces that does not leave a film residue that would build-up or affect the surface gloss of the door finish.

IF THE ABOVE INSTRUCTIONS ARE NOT FOLLOWED, WARRANTY WILL BECOME NULL AND VOID.

THE APPEARANCE OF FIELD FINISHED ON PRODUCTS IS NOT GUARANTEED UNDER ANY CIRCUMSTANCES.

Feel free to contact us regarding any information.

235, 2nd Avenue, Lambton (Quebec) GOM 1H0 Canada 1 800 463-3124 (CAN) / 1 800 363-2248 (USA) 1 800 561-7443 (FAX) / info@lambtondoors.com

APPENDIX



LAMBTON JAMB SERIES

TECHNOLOGY DESIGN ENVIRONMENT

LIMITED WARRANTY

LIMITED WARRANTY FOR WOOD JAMBS

- 1. Lambton Doors warrants all jambs sold under this warranty (except those jambs expressly excluded from this warranty), for the lifetime of the installation from the date of shipment, and at the time of shipment, to be of good material and workmanship and to be free of defects which would render said jambs unserviceable or unfit for their ordinary recommended use.
- 2. THIS WARRANTY APPLIES TO PURCHASERS OF THE DESCRIBED JAMBS. IT MAY ALSO EXTEND TO RESALE/SUPPLY OF THE PRODUCT TO THE END-USER/OWNER AT THE POINT OF ORIGINAL INSTALLATION. IF REQUIRED, CLAIMS MUST BE PROCESSED SOLELY THROUGH THE INITIAL SUPPLIER. ANY IMPLIED WARRANTIES WHICH THE PURCHASER MAY HAVE ARE LIMITED TO THE TERMS, DURATION AND CONDITIONS OF THIS WARRANTY. THIS WARRANTY IS EFFECTIVE FROM THE DATE OF SHIPMENT OR SUBSTANTIAL COMPLETION AS REQUIRED.
- 3. Lambton Doors will, at its option, either (1) repair any jamb without charge or (2) replace any jamb without charge in whatever stage of fitting or finishing as it was originally supplied by Lambton Doors, or (3) refund the price received by Lambton Doors for any jamb. If the jamb is found not to comply with this warranty, however, written notice of any claim under this guarantee must be given to Lambton Doors promptly when discovered, and in any event within the above stated duration of the warranty. In the case of a defect reasonably discoverable, by inspection of each jamb upon receipt of shipment from the manufacturer, notice must be given within thirty (30) days thereafter and before the jamb is hung or treated in any matter.
- 4. In any of the above cases, Lambton Doors will not accept any "back charge" due to rehanging or re-finishing.
- 5. Lambton Doors shall not be liable for jambs repaired or replaced without its prior written consent. Lambton Doors is not obligated to pay for removal and rehanging if the defect for which the jamb is being rejected was apparent prior to installation. Action on any claim for warp or telegraphing may be deferred, at the option of the manufacturer, for a period not to exceed twelve (12) months from the date of claim. If a jamb has been installed prior to such claim being made, the jamb must remain hung in the original installation, during the period of deferment, to permit conditioning to humidity and temperature.
- 6. Warranty will be honored only if the jambs have been installed in accordance to the Installation Instructions supplied. Lambton Doors cannot be responsible for any casing or millwork attached to such jambs (supplied by others).

This document is also available on our website **WWW.LAMBTONDOORS.COM** under **JAMBS** section



LIFETIME WARRANTY

COMPANY :	
ATTENTION :	
PROJECT :	
P.O. # :	
FILE # :	
PRODUCTS :	
FINISHING :	
SHIP DATE :	

LAMBTON DOORS warrants all doors produced and shipped for the above mentioned project for the lifetime of the installation as required in the specification.

Please refer to our document WARRANTY FOR WOOD DOORS AND JAMBS for general information, allowances and tolerances, and matters excluded from the warranty.

Lambton Doors

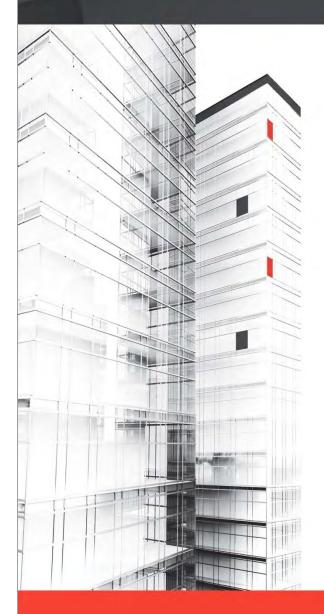
Date



TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.; 418 486,7401 | CAN: 1 800 463,3124 | USA: 1 800 363,2248







LIFETIME WARRANTY CERTIFICATE

LAMBTON DOORS CERTIFIES ALL FLUSH WOOD DOORS PROVIDED FOR THIS PROJECT ARE SUITABLES FOR THEIR INTENDED USE, AND MAY BE INSTALLED WITHOUT LIMITATION TO WARRANTY AS SET FORTH IN SPECIFICATION SECTION **08-14-16**.

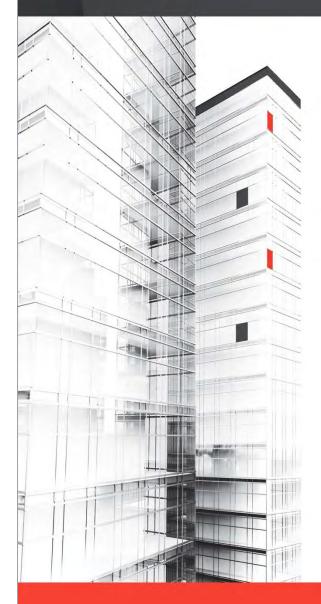
THESE PRODUCTS ARE INTENDED FOR USE IN THE NAMED PROJECT:

UNDER NO CIRCUMSTANCES SHOULD THESE PRODUCTS BE USED IN ANY OTHER BUILDING OR APPLICATION THAN FOR WHAT THEY WERE INTENDED.

DATE: _____

LAMBTON DOORS

LD-V02 03/2017





LIFETIME WARRANTY CERTIFICATE AGAINST WARP AND SHOW-THROUGH OF DOORS

CONSIDERING THAT LAMBTON DOORS:

- CONFORMS TO THE NORTH-AMERICAN MANUFACTURING STANDARDS RECOGNIZED BY THOSE OF THE INDUSTRY - HAS SET UP A RIGOROUS SYSTEM OF STANDARDIZATION AND CONTROL OF ITS PRODUCTION PROCEDURES - OFFERS EXCLUSIVELY DOOR STRUCTURES OF MAXIMUM ENDURANCE SINCE THE STILES AND RAILS ARE SECURELY BONDED TO THE CORE - OFFERS EXCLUSIVELY DOOR STRUCTURES ENTIRELY CALIBRATED - USES ONLY STRUCTURAL COMPOSITE LUMBER SUCH AS LAMINATED STRAND LUMBER

LAMBTON DOORS OFFERS A LIFETIME WARRANTY ON ITS COLLECTION OF DOORS AGAINST ALL WARP AND SHOW-THROUGH DEFECTS INCLUDING ASEPTI OPTION DOORS AND DOORS WITH ADHERED PLASTIC LAMINATES, THOSE HAVING A GLOSSY OR HIGH-GLOSS FINISH AS WELL AS THOSE STAINED WITH A DARK OR VERY DARK COLOUR.

LD-V02 03/2017



WHAT ARE WARP AND SHOW-THROUGH OF DOORS?

All of our doors are guaranteed for life against Warp and Show-Through, regardless of the construction of the specific door.



What is the warp of the door ?

• Fields of application

This term applies to the quality of finishing and to the surface covering (veneer) of the doors.

• Definition

Visually there is a twisting of the door surface which will be seen as a curvature or a buckling (from the effect on internal stresses).

• Probable causes

Stiles and rails not bonded to the core. This is to say that the stiles and rails are not glued to the core of the door before the crossband and veneer are applied. As a result in a very short time, the "floating" stiles and rails, combined with changing factors of temperature, humidity and use, will cause the warp of the door.

Quality of frame installation. A frame that is not properly installed is a definite cause of warp or twisting of the door.

Components having variable levels of humidity. The internal and external components having varying levels of humidity are also the cause of the warping phenomenon in doors.

What is the Show-Through of a door?

• Field of application

This term applies to the quality of finishing and to the surface covering (veneer) of the doors.

• Definition

The phenomenon of Show-Through is caused by irregularities of internal components that visually are seen as a perceptible unevenness of the veneer.

• Probable causes

Stiles and rails not bonded to the core. That is to say that the stiles and rails are not glued to the core of the door before the crossband and veneer are applied. As a result, in a very short time, the "floating" stiles and rails are perceptible on the veneer or surface covering of the door.

Absence of structural calibration (polishing by sanding of surface). The calibration of the internal structure of the door is, in fact, the sanding of its different components once it has been assembled and bonded. The calibration is done before installing the crossband and the veneer. The absence of the calibration of the internal structure is the probable cause of the appearance of unevenness on the surface covering (veneer) of the door. In contrast, adequate structural calibration eliminates all unevenness or irregularities, and avoids the phenomenon of show-through on the veneer of the door.

In conclusion

Stiles and rails bonded to the core, combined with internal structural calibration remain the factors that almost completely eliminate the phenomenon of show-through of doors. They are equally factors that have a direct impact on the quality level of the product.





Download our Word Format

MASTER SPECIFICATIONS

from our website

SECTION 08 14 16 – FLUSH WOOD DOORS

This section introduces master specifications that can be used as a basis or reference for drafting your technical specifications for the architectural wood doors found in section 08 14 16 – FLUSH WOOD DOORS.



We invite you to download and use them to specify your construction and architecture projects.

Feel free to contact us for any additional information.



TECHNOLOGY DESIGN ENVIRONMENT

235, 2nd Avenue, Lambton (Quebec) G0M 1H0 Canada www.lambtondoors.com info@lambtondoors.com Tel.; 418 486.7401 | CAN: 1 800 463.3124 | USA: 1 800 363.2248



The FSC® logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council®. Ask for our FSC® certified products.



TECHNOLOGY DESIGN ENVIRONMENT

C. Français

Visit our Website

www.lambtondoors.com



Subscribe to our Newsletter, click here Canada USA



Watch our **Corporate Video**



AMBTON

2216-11-16-10-16,21 GOING FORWARD (1) LAMBTON DOORS NEW LAMETON GOORS sourceas as NEW CORPORATE LOOK and

over the next year ive will be gradually updating our identiture with the new logistype and corporate image. Our inspiration in developing this new CONTEMPORARY AND MODERN (suite)

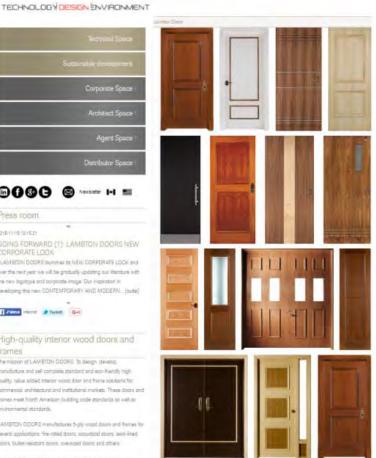
Talma insons @ Tweet. Get

High-quality interior wood doors and frames

The mission of LAMSTON COORS. Th design, develop, manufacture and sell complete standard and eco-friendly high quality, value added interior wood door and frame solutions for operation architectural and institutional markets. These doors and frames meet North American building code grandants as well as environmental standarde.

LAMBTON DDDRS menufactures 5-ply wood doors and frames for several applications fire-rated doors accurtized doors land-lined doors, builet-realizant doors, oversized doors and others.

Ar LAMETON DOORS, we believe in a transformed built



SECTION 08 14 16 FLUSH WOOD DOORS

PART 1 GENERAL

.1

1.1 SECTION INCLUDES

- Wood doors, [non-rated] [fire-rated]. (Note: Choose applicable project requirements.)
 - .1 Flush.
 - .2 Factory Glazing. (Note: Recommended for fire rated doors to meet NFPA 80 requirements.)
 - .3 Louvers.
 - .4 Transoms; non-rated and fire-rated.
- .5 Applied mouldings.
- .2 Acoustical wood doors.
- .3 Lead-lined wood doors.
- .4 Bullet resistant wood doors.

1.2 SECTIONS

(Note: List only the following sections that have a direct bearing on this section.)

- .1 Section 06 20 00 Finish Carpentry.
- .2 Section 06 40 00 Architectural Woodwork.
- .3 Section 08 11 00 Metal Doors and Frames.
- .4 Section 08 14 33 Stile and Rail Wood Doors.
- .5 Section 08 71 00 Door Hardware.
- .6 Section 08 80 00 Glazing. (*Note: Delete when factory glazing is specified.*)
- .7 Section 08 90 00 Louvers.

1.3 REFERENCES

- .1 Architectural Woodwork Standards 2nd Edition 2014, published jointly by the Architectural Woodwork Institute (AWI), the Architectural Woodwork Manufacturer Association of Canada (AWMAC), and the Woodwork Institute (WI).
- .2 ANSI/WDMA I.S. 1A-13 Industry Standard for Architectural Wood Flush Doors
- .3 CAN/ULC S-104-10 Standard Method for Fire Tests of Door Assemblies
- .4 NFPA 80-13 Standard for Fire Doors and Other Opening Protectives
- .5 NFPA 252-12 Standard Method of Fire Tests of Door Assemblies
- .6 ITS/Warnock Hersey Mark for Fire Door Test Certification
- .7 ASTM E90-09 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- .8 ASTM E413 10 Classification for Rating Sound Insulation.
- .9 FSC Forest Stewardship Council Standard for Chain of Custody Certification, FSC-STD-40-004, V2-1. (*Note: Include only when specifying FSC materials.*)
- .10 LEED® 2009 Rating System [New Construction and Major Renovations [Commercial Interiors Version]. (*Note: Cite one or the other, not both.*)
- 11 LEED® Canada Rating System [New Construction and Major Renovations 2009] [Commercial Interiors Version 1.0] (*Note: Cite one or the other, not both.*)
- .12 UL 752-11 Standard for Bullet-Resisting Equipment.
- .13 NIJ (National Institute for Justice) 0101.06 Ballistic Resistance of Body Armor.

1.4 SUBMITTALS

- .1 Submit shop drawings in conformance to the requirements of the Architectural Woodwork Standards 2nd Edition 2014.
- .2 Shop Drawings: illustrate door opening information such as location, size types, construction, swings, undercuts, special bevelling, hardware location and preparation requirements, blocking for hardware in mineral core doors, fire ratings, lite cut-outs, factory finish, glass, and other pertinent data.
- .3 Product Data: Indicate door core materials, thickness, construction, veneer species. (Note: Veneer color selection required in Ash, Birch and Maple species. Refer to Architectural Woodwork Standards [AWS]; Section 9 Doors, for cut and matching requirements and Section 5 Finishing, for factory finishing criteria.)
 - .1 Indicate manufacturer's full lifetime warranty.
 - .2 Indicate glass size, type and thickness for factory glazed doors.
- .4 Submit product data for LEED® certification submittals.
- .5 Samples:

.1 Provide door construction samples with door faces, edges, and core representative of the specified door type(s).

.2 Provide pre-finished veneer sample to illustrate the color of the specified door face materials. (*Note: Due to variance in wood color and grain within the same species and even within the same log, a range of color and grain shall be expected on wood products.*)

1.5 QUALITY ASSURANCE

- .1 Perform work to [Custom Grade] [Premium Grade] in accordance with the Grade requirements specified in the Architectural Woodwork Standards 2nd Edition 2014, or as herein otherwise specified. (*Note: Economy Grade does not apply to AWS Section 9 Doors. Refer to the Architectural Woodwork Standards 2nd Edition 2014 (AWS) page 206 for definitions and recommendations for Custom Grade and Premium Grade work.*)
- .2 Manufacturer specializing in products herein specified with a minimum of five years documented experience.
- .3 Manufacturer must be a member in good standing of the [the Architectural Woodwork Institute (AWI).] [Architectural Woodwork Manufacturer Association of Canada (AWMAC].
- .4 Provide fire-rated wood doors in compliance with NFPA 80.
- .5 Provide fire-rated wood doors with ULC or ITS/Warnock Hersey label.

1.6 SUSTAINABILITY STANDARDS CERTIFICATIONS

- .1 LEED® Credit Summary for Wood Doors; LEED® [Canada] for New Construction and Major Renovations 2009. (*Note: <u>OMIT THIS REFERENCE</u> IF PURSUING LEED® CERTIFICATION* UNDER LEED® COMMERCIAL INTERIORS VERSION 1. List ONLY applicable credits.)
 - .1 Materials and Resources (MR)
 - .1 MR Credit 4 Recycled Content
 - .2 MR Credit 5 Regional Materials
 - .3 MR Credit 6 Rapidly Renewable Materials
 - .4 MR Credit 7 Certified Wood
 - .2 Indoor Environmental Quality (IEQ)
 - .1 IEQ Credit 4.4 Low-Emitting Materials: Composite Wood and Agrifiber Products
- .2 LEED® Credit Summary for Wood Doors; LEED® Canada Commercial Interiors Version 1.0. (Note: <u>OMIT THIS REFERENCE</u> IF PURSUING LEED® CERTIFICATION UNDER LEED® CANADA FOR NEW CONSTRUCTION AND MAJOR RENOVATIONS 2009. List ONLY applicable credits.)
 - .1 Materials and Resources (MR)
 - .1 MR Credit 4.1 Recycled Content 10%

- .2 MR Credit 4.2 Recycled Content 20%
- .3 MR Credit 5.1 Regional Materials, 20% Manufactured Regionally
- .4 MR Credit 5.2 Regional Materials, 10% Extracted and Manufactured Regionally.
- .5 MR Credit 6 Rapidly Renewable Materials
- .6 MR Credit 7 Certified Wood
- .2 Indoor Environmental Quality (IEQ)
 - .1 IEQ Credit 4.4 Low-Emitting materials, Composite Wood and Laminate Adhesives

1.7 DELIVERY, STORAGE, AND HANDLING

- .1 Deliver, store, protect and handle products in compliance with the Architectural Woodwork Standards; Section 2 Care & Storage, and manufacturer's care and handling instructions.
- .2 Deliver materials only when the project is ready for installation and the general contractor has provided a clean storage area.
- .3 Accept doors on site in manufacturer's standard packaging. Inspect for damage.
- .4 Protect all doors from exposure to natural and artificial light after delivery. (*Note: Certain wood species such as Cherry, Walnut, and Mahogany are light sensitive and should be protected from photo degradation.*)

1.7 WARRANTY

- .1 Provide manufacturer's standard lifetime warranty for "Full Life of Original Installation", including hanging and finishing if door(s) do not comply with warranty tolerance standards.
- .2 Include coverage for delamination, warping, bow, cup and telegraphing of core construction beyond warranty tolerances.

PART 2 PRODUCTS

2.1 MANUFACTURER

- .1 Manufacturer:
 - .1 Lambton Doors
 - .2 Other acceptable manufacturers

2.2 COMPONENTS

- .1 Flush Wood Doors
 - .1 Manufacture doors to ANSI/WDMA I.S. 1A-13 [Heavy Duty] [Extra Heavy Duty] performance level. (*Note: AWS requires ANSI/WDMA Heavy Duty performance level for all doors. Refer to Architectural Woodwork Standards* 2nd Edition 2014 (AWS) page 209 and page 231 for more information on performance duty levels and test criteria.)
 - .2 Faces of wood veneered doors intended for transparent finish: [AA] [A] Grade, [Rotary Cut] [Plain Sliced] [Quarter Cut] [Rift Cut], [Veneer Species], [Book] [Slip] Match, [Run] [Balance] [Center Balance], Match. (Note: Refer to the Architectural Woodwork Standards 2nd Edition 2014 (AWS) Section 9 Doors for details on Veneer Grades, Cuts, and Matching).
 - .2.1 Faces of wood veneered doors intended for transparent finish: [without stain] [with stain], [AA] [A] Grade, Quarter Cut, [Maple] [Birch], EuroMatch. (Note: In such a case, EuroMatch will limit cross break and cross figure on door faces).
 - .3 Faces at Plastic Laminate faced doors: [Manufacturer] [Thickness] [Pattern]

V05 03/2106

[Color] [Finish].

- .4 Faces at doors for opaque finish: [High Density Fiberboard (HDF)] [MDO on HDF].
- .5 Identify doors in pairs and sets on door schedule by door numbers, including doors separated by a mullion.
- .6 Doors with transoms [Continuous Match] [End Match].
- .7 Provide [UF Free] composite crossband. Wood crossband is not permitted. (*Note: Specify if pursuing IEQc4.4 – Low-Emitting Materials, Composite Wood and Agrifiber/Laminate Adhesives.*)
- .8 Adhesives: AWS Type I.
- .9 Laminating adhesives, on-site and shop-applied must not contain added ureaformaldehyde resins. (*Note: Include if pursuing IEQ Credit 4.4 – Low-Emitting Materials, Composite Wood and Agrifiber/Laminate Adhesives.*)]
- .2 Non-Rated Wood Doors
 - .1 Core for non-rated doors: [Hollow Grid] [Particleboard] [UF Free Particleboard] [UF Free FSC Particleboard [Structural Composite Lumber]

[FSC Structural Composite Lumber] [Stave Lumber] [FSC Stave Lumber][Per Door Schedule].

(Note: Particleboard and Structural Composite Lumber are the recommended core materials. Hollow Grid is not available fire-rated. PARTICLEBOARD CORES AND AGRIFIBER CORES, INCLUDING FSC AND UF FREE PARTITCLEBOARD CORES, QUALIFY FOR MRc4, MRc4.1, AND MRc4 – Recycled Content. Specify cores based on LEED® Credits being pursued.)

- .2 Stiles for non-rated doors: structural composite lumber laminated to hardwood.
- .3 Top and bottom rails for non-rated doors: structural composite lumber.
- .3 Fire-rated Wood Doors
 - .1 Core for 20-minute fire-rated doors: [Hollow Grid] [Particleboard] [UF Free Particleboard] [UF Free FSC Particleboard [Structural Composite Lumber] [FSC Structural Composite Lumber] [Stave Lumber] [FSC Stave Lumber] [Per Door Schedule].

(Note: Particleboard and Structural Composite Lumber are the recommended core materials. Hollow Grid is not available fire-rated. PARTICLEBOARD CORES AND AGRIFIBER CORES, INCLUDING FSC AND UF FREE PARTITCLEBOARD CORES, QUALIFY FOR MRc4, MRc4.1, AND MRc4 – Recycled Content. Specify cores based on LEED® Credits being pursued.)

- .2 Core for 45 minute fire-rated doors: [Mineral Core] [Structural Composite Lumber Core] [Agrifiber Core].
- .3 Core for 60 minute fire-rated doors and 90-minute fire rated doors: Mineral Core.
- .4 Stiles and rails for fire-rated wood doors: manufacturer's standard, conforming to the requirements of the manufacturer's labelling agency.
- .4 Specialty doors
 - .1 Acoustical doors: STC [____], manufacturer's standard. The Sound Transmission Class (STC) specified shall be certified by the manufacturer to be based on tests conducted at an independent testing agency in accordance with ASTM E90 and ASTM E413. (*Note: STC Ratings on Lambton doors are available from STC27 – STC50*).
 - .2 Lead Lined doors: Manufacturer's standard. Total lead thickness required: [______MM/___INCHES].
 - .3 Bullet Resistive doors: manufacturer's standard. Bullet resistive level required: [UL Level 1] UL Level 2] [UL Level 3], UL 752 OR [NIJ Level I] [NIJ Level II] [NIJ Level II-A] [NIJ Level III], to NIJ 0101.06.
 - .4 Construct specialty doors with composite wood and/or agrifiber components, including laminate adhesives that do not contain added urea-formaldehyde resins. (*Note: Include if*

pursuing IEQ Credit 4.4 – Low-Emitting Materials, Composite Wood and Agrifiber/Laminate Adhesives.)]

2.3 ACCESSORIES

- .1 Louvers
 - .1 Provide wood louvers as detailed on the elevations.
 - .2 Provide metal Louvers for fire-rated doors as specified in Section [_____].
- .2 Glazing Stops
 - .1 Non-rated glazing stops: [Wood species same as door face] [Wood species compatible with door face] [Metal Vision Frame].
 - .2 Fire-rated glazing stops: [Wood species same as door face] [Wood species compatible with door face] [Veneer wrapped, rolled steel of same species as door face] [Metal Vision Frames].
- .3 Glass and glazing in wood doors.
 - [.1 Glass and glazing for non-rated and fire-rated doors to be provided by and installed by manufacturer.]
- .4 Meeting edges for fire-rated door pairs.
 - .1 [Metal Edge and Astragal] [Metal Edges] [No Metal Edge or Astragal] (*Note: Special hardware requirements may apply.*)
- .5 Applied Moulding
 - .1 As selected from manufacturer's standard profiles.
 - .2 Affixed to door without the use of nails or staples. No visible fasteners permitted.

2.4 FABRICATION

- .1 Doors shall meet the requirements of ANSI/WDMA I.S. 1A-13 [Heavy Duty] [Extra Heavy Duty] performance level. (*Note: AWS requires ANSI/WDMA Heavy Duty performance level for all doors. Refer to Architectural Woodwork Standards* 2nd Edition 2014 (AWS) page 209 and page 231 for more information on performance duty levels and test criteria.)
- .2 Doors shall be 5 ply construction.
- .3 Fully bond stiles and rails to core and abrasive plane assembled unit prior to lamination of faces.
- .4 Assemble doors using AWS Type 1 adhesive [that does not contain added ureaformaldehyde resins]. (*Note: Include if pursuing IEQ Credit 4.4 – Low-Emitting Materials, Composite Wood and Agrifiber/Laminate Adhesives.*)
- Edges for veneered doors: AWS [Type A] [Type D], constructed with 1" (25mm) of structural lumber laminated to 7/16" (11mm) of hardwood of the same species as face veneer. AWS Type B, wood veneer edges are not permitted.
 Impact-resistant door edge protector: Edgefender. [Compatible pattern and color of the door face according to 2.2] [Specify if other]
- .6 Rails for doors minimum 1-7/6 (36mm) of structural composite lumber.
- .7 Edges for veneered doors minimum 1" (25mm) structural composite lumber laminated to 7/16" (11mm) of hardwood [of the same species as face veneer] [of the same species as face veneer, crossband not visible] [of a compatible species to the face veneer]. Wood veneer edges are not permitted.
- .8 Edges for doors for Opaque finish: AWS Type A, constructed with 1" (25mm) of structural composite lumber laminated to 7/16" (11mm) of wood of a species compatible with face veneer.
- .9 Edges for doors with Plastic Laminate faces: [AWS Type A mill option wood to be painted on-site to match face laminate] [Factory pre-finished to match face laminate] [AWS Type C to match face laminate]. (NOTE: AWS Standard 2nd Edition 2014, page 211.)
- .10 Construct fire-rated doors to the requirements of all applicable labelling agencies.
- .11 Provide blocking on all non-rated and fire-rated doors, as required for hardware to prevent the need for through-bolting.
- .12 Factory drill pilot holes for hinges.

V05 03/2106

- .13 Bevel lock and hinge stile to Architectural Woodwork Standard 2nd Edition 2014, 3 degree bevel.
- .14 Factory install non-rated and fire rated glass and glazing.]

2.5 FINISHES

- .1 Factory Finishing: All products provided in this Section shall be factory finished using Architectural Woodwork Standards 2nd Edition 2014, System 9 UV Curable System.
 - .1 Factory stain: Water-based stain with ultraviolet (UV) curable polyurethane.
 - .2 Factory opaque finish: Water-based paint with ultraviolet (UV) curable polyurethane.
 - .3 Factory seal top and bottom of doors.
 - .4 Provide Touch-up Kit for field touch-ups.
 - .5 Asepti anti-microbial finish. (*Note: Include for hospital and educational applications.*)

PART 3 EXECUTION

3.1 EXAMINATION

- .1 Verify that opening sizes and tolerances are acceptable and ready to receive this work.
- .2 Do not install doors in frame openings that are not plumb or are out of tolerance for size or alignment.

3.2 INSTALLATION

- .1 Install non-rated and fire-rated doors in accordance with NFPA 80, manufacturer's instructions and to ITS/Warnock Hersey requirements.
- .2 Install factory finished doors just prior to substantial completion.
- .3 Allow a fitting clearance of 3mm(1/8").
- .4 Trim non-rated door widths as required by cutting equally on both edges. Reseal and refinish all cut or planed surfaces immediately to match factory finish.
- .5 Trim door height by cutting bottom edges to a maximum 19mm (3/4").
- .6 Trim fire door heights at bottom edge only in accordance with fire rating requirements.
- .7 Do not trim fire rated door widths.
- .8 Factory drill pilot holes.
- .9 Coordinate installation of doors with installation of frames and hardware.
- .10 Install door louvers and light kits plumb and level.
- .11 Adjust doors for smooth and balanced door movement and operation.

3.3 TOLERANCES

.1 Conform to the Architectural Woodwork Standards 2nd Edition 2014 standards and testing methods for warp, cup, bow, and telegraphing.

END OF SECTION

LAMBTON DOORS **MASTER SPECIFICATON – United States**

SECTION 08 14 16 FLUSH WOOD DOORS

PART 1 GENERAL

1.1 SECTION INCLUDES

.2

- Wood doors, [non-rated] [fire-rated]. (Note: Choose applicable project requirements.) A.
 - .1 Flush.
 - Factory Glazing. (Note: Recommended for fire rated doors to meet NFPA 80 requirements.)
 - .3 Louvers.
 - .4 Transoms; non-rated and fire-rated.
 - .5 Applied mouldings.
- B. Acoustical wood doors.
- C. Lead-lined wood doors.
- D. Bullet resistant wood doors.

1.2 SECTIONS

(Note: List only the following sections that have a direct bearing on this section.)

- Section 06 20 00 Finish Carpentry. A.
- B. Section 06 40 00 - Architectural Woodwork.
- C. Section 08 11 00 - Metal Doors and Frames.
- D. Section 08 14 33 - Stile and Rail Wood Doors.
- E. Section 08 71 00 - Door Hardware.
- F. Section 08 80 00 – Glazing. (Note: Delete when factory glazing is specified.)
- Section 08 90 00 Louvers. G.

1.3 REFERENCES

- Architectural Woodwork Standards 2nd Edition 2014, published jointly by the Architectural A. Woodwork Institute (AWI), the Architectural Woodwork Manufacturer Association of Canada (AWMAC), and the Woodwork Institute (WI).
- Β. ANSI/WDMA I.S. 1A-13 Industry Standard for Architectural Wood Flush Doors
- C. CAN/ULC S-104-10 Standard Method for Fire Tests of Door Assemblies
- D. NFPA 80-13 Standard for Fire Doors and Other Opening Protectives
- E. NFPA 252-12 Standard Method of Fire Tests of Door Assemblies
- F. ITS/Warnock Hersey Mark for Fire Door Test Certification
- G. ASTM E90-09 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- H. ASTM E413 - 10 Classification for Rating Sound Insulation.
- FSC Forest Stewardship Council Standard for Chain of Custody Certification, FSC-STD-40-I. 004, V2-1. (Note: Include only when specifying FSC materials.)
- J. LEED® 2009 Rating System [New Construction and Major Renovations [Commercial Interiors Version]. (Note: Cite one or the other, not both.
- K. UL 752-11 - Standard for Bullet-Resisting Equipment.

Final Draft: V05-03A/2016

1.4 **SUBMITTALS**

- Submit shop drawings in conformance to the requirements of the Architectural Woodwork A. Standards 2nd Edition 2014.
- B. Shop Drawings: illustrate door opening information such as location, size types, construction, swings, undercuts, special bevelling, hardware location and preparation requirements, blocking for hardware in mineral core doors, fire ratings, lite cut-outs, factory finish, glass, and other pertinent data.
- C. Product Data: Indicate door core materials, thickness, construction, veneer species. (Note: Veneer color selection required in Ash, Birch and Maple species. Refer to Architectural Woodwork Standards [AWS]; Section 9 Doors, for cut and matching requirements and Section 5 *Finishing, for factory finishing criteria.*)
 - .1 Indicate manufacturer's full lifetime warranty.
 - .2 Indicate glass size, type and thickness for factory glazed doors.
- D. Submit product data for LEED® certification submittals.
- E. Samples:

.1 Provide door construction samples with door faces, edges, and core representative of the specified door type(s).

Provide pre-finished veneer sample to illustrate the color of the specified door face .2 materials. (Note: Due to variance in wood color and grain within the same species and even within the same log, a range of color and grain shall be expected on wood products.)

OUALITY ASSURANCE 1.5

Β.

- Perform work to [Custom Grade] [Premium Grade] in accordance with the Grade requirements A. specified in the Architectural Woodwork Standards 2^{nd} Edition 2014, or as herein otherwise specified. (Note: Economy Grade does not apply to AWS Section 9 Doors. Refer to the Architectural Woodwork Standards 2nd Edition 2014 (AWS) page 251 for definitions and recommendations for Custom Grade and Premium Grade work.)
- Β. Manufacturer specializing in products herein specified with a minimum of five years documented experience.
- C. Manufacturer must be a member in good standing of the Architectural Woodwork Institute (AWI).
- D. Provide fire-rated wood doors in compliance with NFPA 80.
- Provide fire-rated wood doors with ULC or ITS/Warnock Hersey label. E.

1.6 SUSTAINABILITY STANDARDS CERTIFICATIONS

- LEED® Credit Summary for Wood Doors; LEED® for New Construction and Major Renovations A. 2009. (Note: OMIT THIS REFERENCE IF PURSUING LEED® CERTIFICATION UNDER LEED® COMMERCIAL INTERIORS VERSION 1. List ONLY applicable credits.) .1
 - Materials and Resources (MR)
 - MR Credit 4 Recycled Content a.
 - MR Credit 5 Regional Materials b.
 - MR Credit 6 Rapidly Renewable Materials c.
 - MR Credit 7 Certified Wood d.
 - .2 Indoor Environmental Quality (IEQ)
 - IEQ Credit 4.4 Low-Emitting Materials: Composite Wood and Agrifiber a. Products
 - LEED® Credit Summary for Wood Doors; LEED® Commercial Interiors Version 1.0
 - .1 Materials and Resources (MR)
 - MR Credit 4.1 Recycled Content 10% a.
 - b. MR Credit 4.2 - Recycled Content 20%
 - MR Credit 5.1 Regional Materials, 20% Manufactured Regionally c.
 - d. MR Credit 5.2 - Regional Materials, 10% Extracted and Manufactured

LAMBTON DOORS MASTER SPECIFICATON – United States

Final Draft: V05-03A/2016

Regionally.

- e. MR Credit 6 Rapidly Renewable Materials
- f. MR Credit 7 Certified Wood
- .2. Indoor Environmental Quality (IEQ)
 - a. IEQ Credit 4.4 Low-Emitting materials, Composite Wood and Laminate Adhesives

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, protect and handle products in compliance with the Architectural Woodwork Standards; Section 2 Care & Storage, and manufacturer's care and handling instructions.
- B. Deliver materials only when the project is ready for installation and the general contractor has provided a clean storage area.
- C. Accept doors on site in manufacturer's standard packaging. Inspect for damage.
- D. Protect all doors from exposure to natural and artificial light after delivery. (*Note: Certain wood species such as Cherry, Walnut, and Mahogany are light sensitive and should be protected from photo degradation.*)

1.7 WARRANTY

- A. Provide manufacturer's standard lifetime warranty for "Full Life of Original Installation", including hanging and finishing if door(s) do not comply with warranty tolerance standards.
- B. Include coverage for delamination, warping, bow, cup and telegraphing of core construction beyond warranty tolerances.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Manufacturer:
 - .1 Lambton Doors
 - .2 Other acceptable manufacturers

2.2 COMPONENTS

A. Flush Wood Doors

- .1 Manufacture doors to ANSI/WDMA I.S. 1A-11 [Heavy Duty] [Extra Heavy Duty] performance level. (*Note: AWS requires ANSI/WDMA Heavy Duty performance level for all doors. Refer to Architectural Woodwork Standards 2nd Edition 2014 (AWS) page 252 and page 264 for more information on performance duty levels and test criteria.*)
- .2 Faces of wood veneered doors intended for transparent finish: [AA] [A] Grade, [Rotary Cut] [Plain Sliced] [Quarter Cut] [Rift Cut], [Veneer Species], [Book] [Slip] Match, [Run] [Balance] [Center Balance], Match. (Note: Refer to the Architectural Woodwork Standards 2nd Edition 2014 (AWS) Section 9 Doors for details on Veneer Grades, Cuts, and Matching).
 - .2.1 Faces of wood veneered doors intended for transparent finish: [without stain] [with stain], [AA] [A] Grade, Quarter Cut, [Maple] [Birch], EuroMatch. (Note: In such a case, EuroMatch will limit cross break and cross figure on door faces).
- .3 Faces at Plastic Laminate faced doors: [Manufacturer] [Thickness] [Pattern] [Color] [Finish].
- .4 Faces at doors for opaque finish: [High Density Fiberboard (HDF)] [MDO on HDF].

LAMBTON DOORS MASTER SPECIFICATON – United States

Final Draft: V05-03A/2016

- .5 Identify doors in pairs and sets on door schedule by door numbers, including doors separated by a mullion.
- .7 Doors with transoms [Continuous Match] [End Match].
- .8 Provide [UF Free] composite crossband. Wood crossband is not permitted. (Note: Specify if pursuing IEQc4.4 – Low-Emitting Materials, Composite Wood and Agrifiber/Laminate Adhesives.)
- .9 Adhesives: AWS Type I.
- .10 Laminating adhesives, on-site and shop-applied must not contain added ureaformaldehyde resins. (*Note: Include if pursuing IEQ Credit 4.4 – Low-Emitting Materials, Composite Wood and Agrifiber/Laminate Adhesives.*)]
- B. Non-Rated Wood Doors
 - .1 Core for non-rated doors: [Hollow Grid] [Particleboard] [UF Free Particleboard] [UF Free FSC Particleboard [Structural Composite Lumber] [FSC Structural Composite Lumber] [Agrifiber] [UF Free Agrifiber] [Stave Lumber] [FSC Stave Lumber] [Per Door Schedule]. (*Note: Particleboard and Structural Composite Lumber are the recommended core materials. Hollow Grid is not available fire-rated. PARTICLEBOARD CORES AND AGRIFIBER CORES, INCLUDING FSC AND UF FREE PARTITCLEBOARD CORES, QUALIFY FOR MRc4, MRc4.1, AND MRc4 – Recycled Content. Specify cores based on LEED*® Credits being pursued.)
 - .2 Stiles for non-rated doors: structural composite lumber laminated to hardwood.
 - .3 Top and bottom rails for non-rated doors: structural composite lumber.
- C. Fire-rated Wood Doors
 - .1 Core for 20-minute fire-rated doors: [Hollow Grid] [Particleboard] [UF Free Particleboard] [UF Free FSC Particleboard [Structural Composite Lumber] [FSC Structural Composite Lumber] [Agrifiber] [UF Free Agrifiber] [Stave Lumber] [FSC Stave Lumber] [Per Door Schedule]. (*Note: Particleboard and Structural Composite Lumber are the recommended core* materials. Hollow Grid is not available fire-rated. PARTICLEBOARD CORES AND

materials. Hollow Grid is not available fire-rated. PARTICLEBOARD CORES AND AGRIFIBER CORES, INCLUDING FSC AND UF FREE PARTITCLEBOARD CORES, QUALIFY FOR MRc4, MRc4.1, AND MRc4 – Recycled Content. Specify cores based on LEED® *Credits being pursued.*)

- .2 Core for 45 minute fire-rated doors: [Mineral Core] [Structural Composite Lumber Core] [Agrifiber Core].
- .3 Core for 60 minute fire-rated doors and 90-minute fire rated doors: Mineral Core.
- .4 Stiles and rails for fire-rated wood doors: manufacturer's standard, conforming to the requirements of the manufacturer's labelling agency.
- D. Specialty doors
 - .1 Acoustical doors: STC [____], manufacturer's standard. The Sound Transmission Class (STC) specified shall be certified by the manufacturer to be based on tests conducted at an independent testing agency in accordance with ASTM E90 and ASTM E413. (*Note: STC Ratings on Lambton doors are available from STC27 – STC50. Products are available fire-rated up to 20 Minutes*).
 - .2 Lead Lined doors: Manufacturer's standard. Total lead thickness required: [MM/ INCHES].
 - .3 Bullet Resistive doors: manufacturer's standard. Bullet resistive level required: [UL Level 1] UL Level 2] [UL Level 4], UL 752.
 - .4 Construct specialty doors with composite wood and/or agrifiber components, including laminate adhesives that do not contain added urea-formaldehyde resins. (*Note: Include if pursuing IEQ Credit 4.4 Low-Emitting Materials, Composite Wood and Agrifiber/Laminate Adhesives.*)

Final Draft: V05-03A/2016

2.3 ACCESSORIES

A. Louvers

- .1 Provide wood louvers as detailed on the elevations.
- .2 Provide metal louvers for fire-rated doors as specified in Section [_____].
- B. Glazing Stops
 - .1 Non-rated glazing stops: [Wood species same as door face] [Wood species compatible with door face] [Metal Vision Frame].
 - .2 Fire-rated glazing stops: [Wood species same as door face] [Wood species compatible with door face] [Veneer wrapped, rolled steel of same species as door face] [Metal Vision Frames].
- C. Glass and glazing in wood doors.
 - .1 Glass and glazing for non-rated and fire-rated doors to be provided by [and installed by] manufacturer.
- D. Meeting edges for fire-rated door pairs.
 - .1 [Metal Edge and Astragal] [Metal Edges] [No Metal Edge or Astragal] (*Note: Special hardware requirements may apply.*)
- E. Applied Moulding
 - .1 As selected from manufacturer's standard profiles.
 - .2 Affixed to door without the use of nails or staples. No visible fasteners permitted.

2.4 FABRICATION

- A. Doors meet the requirements of ANSI/WDMA I.S. 1A-11 [Heavy Duty] [Extra Heavy Duty] performance level. (*Note: AWS requires ANSI/WDMA Heavy Duty performance level for all doors. Refer to Architectural Woodwork Standards 2nd Edition 2014 (AWS) page 252 and page 264 for more information on performance duty levels and test criteria.*)
- B. Doors: 5 ply construction.
- C. Fully bond stiles and rails to core and abrasive plane assembled unit prior to lamination of faces.
- D. Assemble doors using AWS Type 1 adhesive [that does not contain added ureaformaldehyde resins]. (*Note: Include if pursuing IEQ Credit 4.4 – Low-Emitting Materials, Composite Wood and Agrifiber/Laminate Adhesives.*)
- E. Edges for veneered doors: AWS [Type A] [Type D], constructed with 1" (25mm) of structural composite lumber laminated to 7/16" (11mm) of hardwood of the same species as face veneer. AWS Type B, wood veneer edges are not permitted.
 Impact-resistant door edge protector: Edgefender. [Compatible pattern and color of the door face according to 2.2] [Specify if other]
- F. Rails for doors minimum 1-7/6 (36mm) of structural composite lumber.
- G. Edges for veneered doors minimum 1" (25mm) structural composite lumber laminated to 7/16" (11mm) of hardwood [of the same species as face veneer] [of the same species as face veneer, crossband not visible] [of a compatible species to the face veneer]. Wood veneer edges are not permitted.
- H. Edges for doors for Opaque finish: AWS Type A, constructed with 1" (25mm) of structural composite lumber laminated to 7/16" (11mm) of wood of a species compatible with face veneer.
- I. Edges for doors with Plastic Laminate faces: [AWS Type A mill option wood to be painted on-site to match face laminate] [Factory pre-finished to match face laminate] [AWS Type C to match face laminate] (NOTE: AWS Standard 2nd Edition 2014, page 211.)
- J. Construct fire-rated doors to the requirements of all applicable labelling agencies.
- K. Provide blocking on all non-rated and fire-rated doors, as required for hardware to prevent the need for through-bolting.
- L. Factory drill pilot holes for hinges.
- M. Bevel lock and hinge stile to Architectural Woodwork Standard 2nd Edition 2014, 3 degree bevel.
- N. Factory install non-rated and fire rated glass and glazing.]

Final Draft: V05-03A/2016

2.5 FINISHES

- A Factory Finishing: All products provided in this Section shall be factory finished using Architectural Woodwork Standards 2nd Edition 2014, System 9 UV Curable System.
 - .1 Factory stain: Water-based stain with ultraviolet (UV) curable polyurethane.
 - .2 Factory opaque finish: Water-based paint with ultraviolet (UV) curable polyurethane.
 - .3 Factory seal top and bottom of doors.
 - .4 Provide Touch-up Kit for field touch-ups.
 - .5 Asepti anti-microbial finish. (*Note: Include for hospital and educational applications.*)

PART 3 EXECUTION

3.1 EXAMINATION

- A Verify that opening sizes and tolerances are acceptable and ready to receive this work.
- B Do not install doors in frame openings that are not plumb or are out of tolerance for size or alignment.

3.2 INSTALLATION

- A. Install non-rated and fire-rated doors in accordance with NFPA 80, manufacturer's instructions and to ITS/Warnock Hersey requirements.
- B. Install factory finished doors just prior to substantial completion.
- C. Allow a fitting clearance of 3mm(1/8").
- D. Trim non-rated door widths as required by cutting equally on both edges. Reseal and refinish all cut or planed surfaces immediately to match factory finish.
- E. Trim door height by cutting bottom edges to a maximum 19mm $(3/4^{\circ})$.
- F. Trim fire door heights at bottom edge only in accordance with fire rating requirements.
- G. Do not trim fire rated door widths.
- H. Factory drill pilot holes.
- I. Coordinate installation of doors with installation of frames and hardware.
- J. Install door louvers and light kits plumb and level.
- K. Adjust doors for smooth and balanced door movement and operation.

3.2 TOLERANCES

A. Conform to the Architectural Woodwork Standards 2nd Edition 2014standards and testing methods for warp, cup, bow, and telegraphing.

END OF SECTION



TECHNOLOGY DESIGN ENVIRONMENT



MISSION

At LAMBTON DOORS, our mission is to develop and manufacture high-quality, value-added interior wood doors and frames for our North American commercial, architectural and institutional clients.

To meet our clients' needs and respond to new market opportunities, we focus on the quality of our human resources, use state-of-the-art technologies and offer harmoniously designed, environmentally friendly products.



SUBSCRIBE TO OUR NEWSLETTER





USA

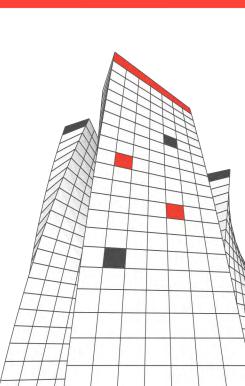
235, 2nd Avenue, Lambton (Quebec) GOM 1H0 Canada

418 486.7401 1 800 463.3124 CAN 1 800 363.2248 USA

Fax 418 486.7381 1 800 561.7443 CAN / USA

info@lambtondoors.com architect.designer@lambtondoors.com www.lambtondoors.com

3



Printed in Canada



The FSC® logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council®. Ask for our FSC® certified products.