



## PANEL DOORS

Our Panel Doors can be custom made to add some charm to your decor.

### Models:

- Colonial moulding (Ovolo)
- Square moulding (Shaker)

## VALIDATED ECO-DECLARATION

## Product's contribution to LEED® v4

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PRODUCT SPECIFICATIONS	ENVIRONMENTAL IMPACTS	TECHNICAL PERFORMANCES
<b>References</b> Colonial moulding (Ovolo): 205H, 205HP; Square moulding (Shaker): 794H, 794HP.	<b>Life Cycle Assessment</b> November 2016  <b>Product's carbon footprint</b> November 2016	<b>Performance tests</b> -
<b>Final manufacturing location</b> Saint-Boniface, QC G0X 2L0 CANADA	<b>Environmental Product Declaration</b> Product specific, EPD Type III ISO 14025:2006    March 2017 to March 2022	<b>Expected life</b> -
<b>Composition</b> Eastern with pine, MDF, HDF, adhesives (PVAc), white primer.	<b>INGREDIENTS AND EMISSIONS</b>	<b>MANUFACTURER'S ENVIRONMENTAL MANAGEMENT</b>
<b>ATTRIBUTES</b>	<b>Declaration of chemical ingredients</b> 1,000 ppm	<b>ISO 14001 Certification</b> -
<b>Recycled Content</b> Pre-consumer: (25.1% - 32.4%) Post-consumer: 0% (Variable depending the model)	<b>Type of declaration</b> HPD® version 2.0 Health Product Declaration®	<b>Extended Producer Responsibility</b> - (Take Back Program)
<b>Sourcing of raw materials</b> The extraction locations of raw materials have been documented for 95.5% to 96.5% of the final product components, based on weight ratio. (Variable depending on model)	<b>Emission test</b> -	<b>Corporate Sustainability Report</b> - (CSR: GRI, ISO 26000, BNQ 21000 or other)
<b>FSC® Certification</b> -	<b>VOCs</b> 1.6 g/L - 30.0 g/L Variable depending on the product used (Factory-applied paint and adhesives)	<b>CERTIFICATIONS AND CONFORMITY</b>
<b>Rapidly renewable materials</b> -	<b>Formaldehyde</b> HDF Panel: < 0.13 ppm MDF Panel: < 0.1 ppm	
<b>Biobased materials</b> -	<b>Others</b> HDF and MDF Panels Conformity CARB 93120 (Phase 2)	

Since the creation of our company in 1967, we never stopped innovating, growing and adapting ourselves to the needs and expectations of our customers. They have always been at the heart of our operations.

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[www.portesmilette.com](http://www.portesmilette.com)

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Validated Eco-Declaration:

**VED16-1028-02**

Original issue date: **10/2013**

Period of validity: **08/2018** to **08/2019**



# ENVIRONMENTAL DATA SHEET

## PANEL DOORS



**Models:**

Classic / Colonial Model  
205H and 205HP

**Standard measurements:**

Thickness: 1 3/8" (35 mm)  
Widths: 16" to 36" (406 to 914mm)  
Bifold: 20" to 36" (508 to 914mm)  
Heights: 80" (2 032mm)  
Bifold: 79" (2 007mm)

Several types of wood species available



**Models:**

Contemporary / Square moulding  
794H and 794HP

**Standard measurements:**

Thickness: 1 3/8" (35mm)  
Widths: 16" to 36" (406 to 914mm)  
Bifold: 20" to 36" (508 to 914mm)  
Heights: 80" (2 032mm)  
Bifold: 79" (2 007mm)

Several types of wood species available

## ATTRIBUTES

### RECYCLED CONTENT

Components (with recycled content)	Weight ratio	Pre-consumer	Post-consumer
MDF	22.0% - 31.5%*	85.4%	0%
HDF	12.6% - 14.4%*	43.9%	0%

\*The percentage of recycled content were calculated according to the weight ratio of each of the components used in manufacturing the final product.

Final products assembly		Weight ratio	Pre-consumer	Post-consumer
Colonial Moulding (Ovolo)	205H	100%	32.4%	0%
	205HP - Bifold	100%	31.2%	0%
Square moulding (Shaker)	794H	100%	25.9%	0%
	794HP - Bifold	100%	25.1%	0%

Validated Eco-Declaration – Recycled Content

Methodology: on-site audit, supply chain evaluation, analysis and validation of the recycled content data according to the weight ratio of each of the components used in manufacturing the final product.

Vertima's procedure: VERT-032008-01, Second Edition.

### SOURCING OF RAW MATERIALS

Weight ratio	Final manufacturing location
100%	Saint-Boniface, QC G0X 2L0 CANADA

Validated Eco-Declaration – Sourcing of raw materials

Methodology: on-site audit, supply chain evaluation, analysis and validation of the sourcing of raw materials data according to the weight ratio of each of the components used in manufacturing the final product.

Vertima's procedure: VERT-032008-02, Second Edition.

Components	Weight ratio	Extraction locations	Transport
Eastern white pine	52.5% - 59.1%	United State (Maine, Massachusetts)	Truck
MDF	22.0% - 31.5%	Canada (QC, NB, NS) and United State (Maine)	Truck
HDF	12.6% - 14.4%	Canada (QC, NB, NS) and United State (ME, NH, VT)	Truck
Adhesives (PVAc)	1.9% - 2.9%	N/A	N/A
White primer	1.5% - 1.8%	N/A	N/A

\*All components weight ratio varies depending on the door model.

The extraction locations of raw materials have been documented for 95.5% to 96.5% of the final product components, based on weight ratio.

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### ATTRIBUTES (CONTINUED)

#### SOURCING OF RAW MATERIALS (CONTINUED)



- 1. HARVEST LOCATIONS OF WOOD (Pine):** (Details available on request)  
**United States:** Maine and Massachusetts (Transport by truck to Milette Doors' factory)
- 2. HARVEST LOCATIONS OF WOOD FIBERS (HDF):**  
**New Brunswick, CA (within 249 miles (402 km) around St-Stephen)**  
**Canada:** Quebec, New Brunswick, Nova Scotia  
**United States:** Maine, New Hampshire, Vermont (Transport by truck to Milette Doors' factory)

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# ENVIRONMENTAL DATA SHEET

## PANEL DOORS

### ENVIRONMENTAL IMPACTS

#### ENVIRONMENTAL PRODUCT DECLARATION (EPD)

■ Product-specific EPD, ISO 14025:2006, Type III

Milette Doors performed a life cycle assessment (LCA) and published an environmental product declaration (EPD) for its Panel Doors 794 H. This project was conducted in collaboration with Vertima and Ellio and audited by the operator of program, CSA Group.

<b>Reference PCR</b>	Interior Architectural Wood Door Leaves v2. ASTM International, March 2015 to February 2020, UNCPC 31600.
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Declared Unit	Scope of the LCA	Reference service life	Period of validity
1 Panel Door	Cradle-to-Gate	N/A	March 2017 to March 2022

#### Table of environmental impacts for 1 Panel Door 794H

Impact categories	Unit	Results for 794H
Global warming potential	kg CO <sub>2</sub> eq	20.5
Acidification potential	kg SO <sub>2</sub> eq	0.19
Eutrophication potential	kg N eq	0.040
Smog creation potential	kg O <sub>3</sub> eq	2.97
Ozone depletion potential	kg CFC-11 eq	9.53.10 <sup>-7</sup>
Total primary energy consumption	Unit	Results for 794H
Non-renewable fossil	MJ	361
Non-renewable nuclear	MJ	76.2

Type III Environmental Product Declaration developed in accordance with ISO 14025:2006

Source: EPD Report

Validated Eco-Declaration – Environmental Product Declaration (EPD)  
 Methodology: validation of documents and methodology surrounding the product LCA report and EPD.  
 Vertima's procedure: VERT-032010-03, Second Edition.

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# ENVIRONMENTAL DATA SHEET

## PANEL DOORS

### INGREDIENTS AND EMISSIONS

#### DECLARATION OF CHEMICAL INGREDIENTS



**Type of declaration:** Health Product Declaration® (HPD®) version 2.0

**Period of validity:** July 19, 2016 to July 9, 2019

Summary of product contents and results from screening individual chemical substances against HPD Priority Lists<sup>1</sup> and the GreenScreen for Safer Chemicals®<sup>2</sup>.

**Health Product Declaration® URL:** <http://www.hpd-collaborative.org/hpd-public-repository/>

The Health Product Declaration® and logo is owned by the Health Product Declaration® Collaborative and is used with permission.

**Declaration:** Prepared by Vertima  Self-declared  Third party

**Ingredients inventory threshold:** 1,000 ppm

**Full disclosure of intentional ingredients:** Yes

**Full disclosure of known hazards:** Yes

#### Hazards associated with the product ingredients:

This HPD Standard describes a declaration of product content and direct health hazards associated with exposure to its individual contents. The Declaration is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

**Highest concern GreenScreen® Benchmark:** Benchmark 1<sup>3</sup>

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> PBT (Persistent, Bioaccumulative, Toxic) | <input checked="" type="checkbox"/> Respiratory | <input type="checkbox"/> Physical hazard     |
| <input checked="" type="checkbox"/> Cancer                        | <input type="checkbox"/> Neurotoxicity          | <input type="checkbox"/> Global warming      |
| <input checked="" type="checkbox"/> Gene Mutation                 | <input checked="" type="checkbox"/> Mammal      | <input type="checkbox"/> Ozone depletion     |
| <input type="checkbox"/> Development                              | <input checked="" type="checkbox"/> Skin or eye | <input checked="" type="checkbox"/> Multiple |
| <input type="checkbox"/> Reproductive                             | <input type="checkbox"/> Aquatic toxicity       | <input type="checkbox"/> Unknown             |
| <input checked="" type="checkbox"/> Endocrine                     | <input type="checkbox"/> Land toxicity          |  |

<sup>1</sup>Please refer to Annex D of HPD® Open Standard Version 2.0, September 10th 2015. <http://www.hpd-collaborative.org>

<sup>2</sup>GreenScreen for Safer Chemicals® method: <http://www.greenscreenchemicals.org/>

<sup>3</sup>GreenScreen (GS) Benchmark scores of chemical ingredients: Benchmark 1 (Avoid, chemical of high concern), Benchmark 2 (Use but search for safer substitutes), Benchmark 3 (Use but still opportunity for improvement), Benchmark 4 (Prefer, safer chemical).

#### TABLE OF INGREDIENTS

Name	Role	CAS <sup>1</sup>	Weight ratio	GreenScreen® <sup>2</sup>	Note(s) (For more details refer to the HPD®)
Eastern white pine	Frame	-	52.5% - 59.1%	-	-
MDF	Panel	64742-61-6 50-00-0	22.0% - 31.5%	LT-1	LT-UNK scores also present
HDF	Frame	64742-61-6 50-00-0	12.6% - 14.4%	LT-1	LT-UNK scores also present
Adhesives (PVAc)	Assembly	9003-20-7	1.9% - 2.9%	LT-UNK	-
White primer	Finishing	13463-67-7	1.5% - 1.8%	LT-1	LT-P1, LT-UNK and BM-4 scores also present

<sup>1</sup>Only the CAS numbers with the score of highest concern are listed. The complete list of substances can be found in the HPD®.

<sup>2</sup>GS List Translator (LT) scores of chemical ingredients: LT-1, likely GS Benchmark 1; LT-P1, possible GS Benchmark 1; LT-U or LT-UNK, present on GS Specified Lists but there is insufficient information to classify the hazards as LT-1 or LT-P1 (does not mean the chemical is safe).

Validated Eco-Declaration – Declaration of chemical ingredients

Methodology: validation of the documentation confirming the methodology and reporting of chemical ingredients.

Vertima's procedure: VERT-032009-01, Second Edition.

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## PANEL DOORS



### INGREDIENTS AND EMISSIONS (CONTINUED)

#### VOLATILE ORGANIC COMPOUNDS (VOCs)

The paint and all adhesives are applied during the manufacturing of Panel Doors. In the category of products presented below, the value refers to the VOC content of paint and adhesives in their liquid state.

##### Adhesives

Manufacturer	Type	Product name	VOC content
Dural Division Multibond inc.	Adhesive	G-2408	3.0 g/L
Dural Division Multibond inc.	Adhesive	G-2424	1.6 g/L
Dural Division Multibond inc.	Adhesive	G-2449	1.9 g/L

##### Paints

Manufacturer	Type	Product name	VOC content
Akzo Nobel	Water-based primer	White Aquaprime 650-0006	30.0 g/L

Validated Eco-Declaration – Emissions and Volatile Organic Compounds (VOCs)  
Methodology: validation of documents attesting VOCs emissions.  
Vertima's procedure: VERT-032009-02, Second Edition.

#### FORMALDEHYDE

Product components	Compliance	Formaldehyde content
HDF	CARB phase 2	< 0.13 ppm
MDF	CARB phase 2	< 0.1 ppm

Validated Eco-Declaration – Emissions and formaldehyde  
Methodology: validation of the documents attesting the methodology and results of emissions general evaluation and formaldehyde.  
Vertima's procedure: VERT-032009-02, Second Edition.

### TECHNICAL PERFORMANCES

#### WARRANTY

Our doors requires particular attention and specific care. All doors are constructed with a finger-jointed pine core and a layer of superior quality veneer for more strength and durability. Wood is a natural product, and your door could be subject to contraction and expansion when exposed to varying temperature and humidity fluctuations. For these reasons, our warranty is conditional with the procedures described in: <http://www.portesmilette.com/Content/Documents/en/Guides/Warranty.pdf>

### MANUFACTURER'S ENVIRONMENTAL MANAGEMENT PROGRAM

#### MANUFACTURER'S COMMITMENT

Always in order to meet the expectations of their clients, who are at the heart of each of their actions and decisions, Milette Doors pays particular attention to the choice of their suppliers. Milette Doors takes time to validate whether their values and goals match those of Milette Doors. Thus, they ensure that the wood used for each door they make comes from renewable resources.

Milette Doors bets on the reuse of materials and products to eliminate their need for fossil energy for production, to make carbon neutral emissions of greenhouse gases. Milette Doors also contributes to the reduction of raw materials and waste through the recovery of plastic packaging waste, wood and glass particles, treatment and processing of waste solvents as well as the maximum use and recycling Of paper from entirely recycled fibers.

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### PRODUCT CONTRIBUTION SUMMARY

#### LEED® v4 requirements for Building Design + Construction (BD+C)

New Construction, Core and Shell, School, Retail, Data Centers, Warehouse and Distribution Centers, Hospitality and Healthcare.

#### LEED® v4 requirements for Interior Design + Construction (ID+C)

Commercial Interiors, Retail and Hospitality.

MATERIALS AND RESOURCES		PRODUCT CONTRIBUTIONS	
MR	<b>Building Product Disclosure and Optimization – Environmental Product Declaration (EPD)</b> Option 1: Environmental product declaration (EPD) (1 point) The Panel Doors 794 H contribute to this credit with your product-specific EPD (Type III) and are valued as 1 whole product out of the 20 needed for the purposes of credit achievement calculation.	Contribute	ENVIRONMENTAL IMPACTS
			Product-specific EPD (Type III) compliant to ISO 14025:2006
MR	<b>Building Product Disclosure and Optimization – Sourcing of Raw Materials</b> Option 2: Leadership extraction practices (1 point) May also contribute to the location valuation factor if the product is extracted, manufactured and purchased within 160 km of the project site.	Contribute	ATTRIBUTES
			Recycled Content Pre-consumer (25.1% - 32.4%)
MR	<b>Building Product Disclosure and Optimization – Material Ingredients</b> Option 1: Material ingredients reporting (1 point) Panel Doors contribute to this credit due to the availability of Health Product Declarations® and are valued as 1 whole product out of the 20 needed for the purposes of credit achievement calculation.	Contribute	INGREDIENTS AND EMISSIONS
			HPD® version 2.0 Health Product Declaration®
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
EQ	<b>Low-Emitting Materials</b> Option 1: Product category calculation (1 - 3 points) Number of points is dependent on the LEED rating system and the number of compliant categories.	Do not contribute <sup>1</sup>	INGREDIENTS AND EMISSIONS
			<sup>1</sup> Must be tested and determined compliant to the California Department of Public Health (CDPH) Standard Method v1.1-2010.

#### LEED® v4 requirements for homes

Applies to single family homes, multi-family (one to three stories), or multi-family (four to six stories). Includes homes and multifamily low-rise and multi-family mid-rise.

MATERIALS AND RESOURCES		PRODUCT CONTRIBUTIONS	
MR Prereq 1	<b>Certified Tropical Wood</b>	Contribute	ATTRIBUTES
			Milette Doors' Panel doors do not contain tropical species.
MR crédit 2	<b>Environmentally Preferable Products</b> Option 1: Local Production (0.5 point) May also contribute to 0.5 point to the location valuation factor if the product is sourced (extracted, manufactured, purchased) within 160 km of the project site.  Option 2: Environmentally Preferable Products (0.5 point) <sup>2</sup> Panel Doors do not contribute to 0.5 point. The final product must contain at least 25% post-consumer recycled content or 50% pre-consumer recycled content.	Do not contribute <sup>2</sup>	ATTRIBUTES
			Recycled Content Pre-consumer (25.1% - 32.4%)
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
EQ Credit 7	<b>Low-Emitting Products</b> At least 90% of all materials in each category must meet credit requirements (0.5 - 3 points)	Do not contribute <sup>3</sup>	INGREDIENTS AND EMISSIONS
			<sup>3</sup> Must be tested and determined compliant to the California Department of Public Health (CDPH) Standard Method v1.1-2010.

It is important to consider that the total amount of possible points reflects the number of achievable points in each credit category. The product itself cannot achieve this score, as defined above, but is considered as a beneficial element in order to achieve LEED® credits.

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