



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

100, avenue industrielle, Saint-Boniface, QC G0X 2L0 CANADA
www.portesmilette.com

MasterFormat®: **08 36 16** and **08 35 13.33**

Validated Eco-Declaration:

VED16-1028-02

Original issue date: **10/2013**

Period of validity: **07/2017** to **07/2018**



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 pourcentage of recycled content were calculated according to the weigh 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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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.

| | |
|----------------------|---|
| Reference PCR | Interior Architectural Wood Door Leaves v2. ASTM International, March 2015 to February 2020, UNCPC 31600. |
|----------------------|---|

| 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 ₂ eq | 20.5 |
| Acidification potential | kg SO ₂ eq | 0.19 |
| Eutrophication potential | kg N eq | 0.040 |
| Smog creation potential | kg O ₃ eq | 2.97 |
| Ozone depletion potential | kg CFC-11 eq | 9.53.10 ⁻⁷ |
| 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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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 Lists¹ and the GreenScreen for Safer Chemicals®².

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 1³

- | | | |
|---|---|--|
| <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 | |

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

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

³GreenScreen (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 ¹ | Weight ratio | GreenScreen® ² | 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 |

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

²GS 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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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 | Building Product Disclosure and Optimization – Environmental Product Declaration (EPD) 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 | Building Product Disclosure and Optimization – Sourcing of Raw Materials 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 | Building Product Disclosure and Optimization – Material Ingredients 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 | |
| QEI | Low-Emitting Materials 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 ¹ | INGREDIENTS AND EMISSIONS |
| | | | ¹ 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 | Certified Tropical Wood | Contribute | ATTRIBUTES |
| | | | Milette Doors' Panel doors do not contain tropical species. |
| MR crédit 2 | Environmentally Preferable Products 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) ² 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 ² | ATTRIBUTES |
| | | | Recycled Content Pre-consumer (25.1% - 32.4%) |
| INDOOR ENVIRONMENTAL QUALITY | | PRODUCT CONTRIBUTIONS | |
| QEI Credit 7 | Low-Emitting Products At least 90% of all materials in each category must meet credit requirements (0.5 - 3 points) | Do not contribute ³ | INGREDIENTS AND EMISSIONS |
| | | | ³ 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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