




SOLID WOOD FLOOR

Solid wood floors are made of 100% hardwood and have a thickness of 3/4" (19 mm), their durability and natural charm make them an eco-intelligent and sustainable investment. Boards have micro-V joints on all 4 sides, ensuring a neat and seamless installation. Visit our website for the complete product offering. Protected by the ultra-durable Mercier Generations finish, they offer a 35-year warranty for residential applications* and a 5-year warranty for light commercial applications. Also offered with the ultimate durability Generations Intact 2500 finish, they offer a 50-year warranty for residential applications, a 10-year warranty for light commercial applications and a 3-year warranty for commercial applications with direct outdoor access. All Mercier wood floors are Greenguard Gold certified, the highest environmental certification on the market.*

VALIDATED ECO-DECLARATION

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| PRODUCT SPECIFICATIONS | ENVIRONMENTAL IMPACTS | TECHNICAL PERFORMANCES |
|--|---|---|
| Reference Factory prevarnished solid hardwood floorboards 3/4" (19 mm) | Life Cycle Assessment - Reference service life - Product's carbon footprint - | Performance tests Tests conducted by Mercier Wood Flooring, Inc. according to applicable ASTM standards. |
| Final manufacturing location Montmagny, QC G5V 4T1 CANADA | Environmental Product Declaration ISO 14025:2006 - | MANUFACTURER'S ENVIRONMENTAL MANAGEMENT |
| Components Harwood and finish. | INGREDIENTS AND EMISSIONS | ISO 14001 Certification - |
| ATTRIBUTES | Declaration of chemical ingredients 1,000 ppm Type of declaration HPD® version 2.1 Health Product Declaration® | Extended Producer Responsibility (Take Back Program) - |
| Recycled Content Pre-consumer: 0% Post-consumer: 0% | Emission test Greenguard Gold Certified | Corporate Sustainability Report (CSR : GRI, ISO 26000, BNQ 21000 or others) - |
| Sourcing of raw materials The source of extraction or location of raw materials has been documented for 99.0% of final product weight. | VOCs - Formaldehyde - Others EPA TSCA Title VI Compliant | CERTIFICATIONS AND CONFORMITIES |
| FSC® Certification - | |   |
| Rapidly renewable materials - | | |
| Biobased materials - | | |

Founded in 1980, Mercier Flooring is one of the largest manufacturers of prefinished wood flooring in North America. Recognized by the industry as the original prefinished wood flooring, its plants in Montmagny and Drummondville, Quebec (Canada), count more than 300 specialists dedicated to quality, innovation and respect for wood, in all its nobility and authenticity.

330, rue des Entrepreneurs, Montmagny, QC G5V 4T1 CANADA
www.mercier-wood-flooring.com

*With the exception of the PRO collection

 MasterFormat®: **09 64 00**

Validated Eco-Declaration:

VED18-1032-03

 Original issue date: **2012/10**

 Last modification: **2019/08**

 Period of validity: **2019/02 to 2020/02**


ENVIRONMENTAL DATA SHEET

SOLID WOOD FLOOR

CHARACTERISTICS



- Species : Red Oak, Hard Maple, Yellow Birch, Hickory, White Oak, White Ash
- Thickness : ¾" (19 mm)
- Widths : 2 ¼" (57 mm), 3 ¼" (83 mm) and 4 ¼" (108 mm)
- Micro-v joints on 4 sides

ATTRIBUTES

RECYCLED CONTENT

| Final product | Weight ratio | Pre-consumer | Post-consumer |
|------------------------------|--------------|--------------|---------------|
| Solid floorboards ¾" (19 mm) | 100% | 0% | 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 the manufacturing the final product.

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

SOURCING OF RAW MATERIALS

| Weight ratio | Final manufacturing location |
|--------------|------------------------------|
| 100% | Montmagny, QC G5V 4T1 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.

| Component | Weight ratio | Extraction location | Transportation |
|-----------|--------------|---|----------------|
| Hardwood | 99.0% | Canada (Quebec and Ontario) and United States (Connecticut, Maine, Massachusetts, Michigan, Mississippi, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island and Vermont) | Road |
| Finish | <0.1% | N/A | N/A |

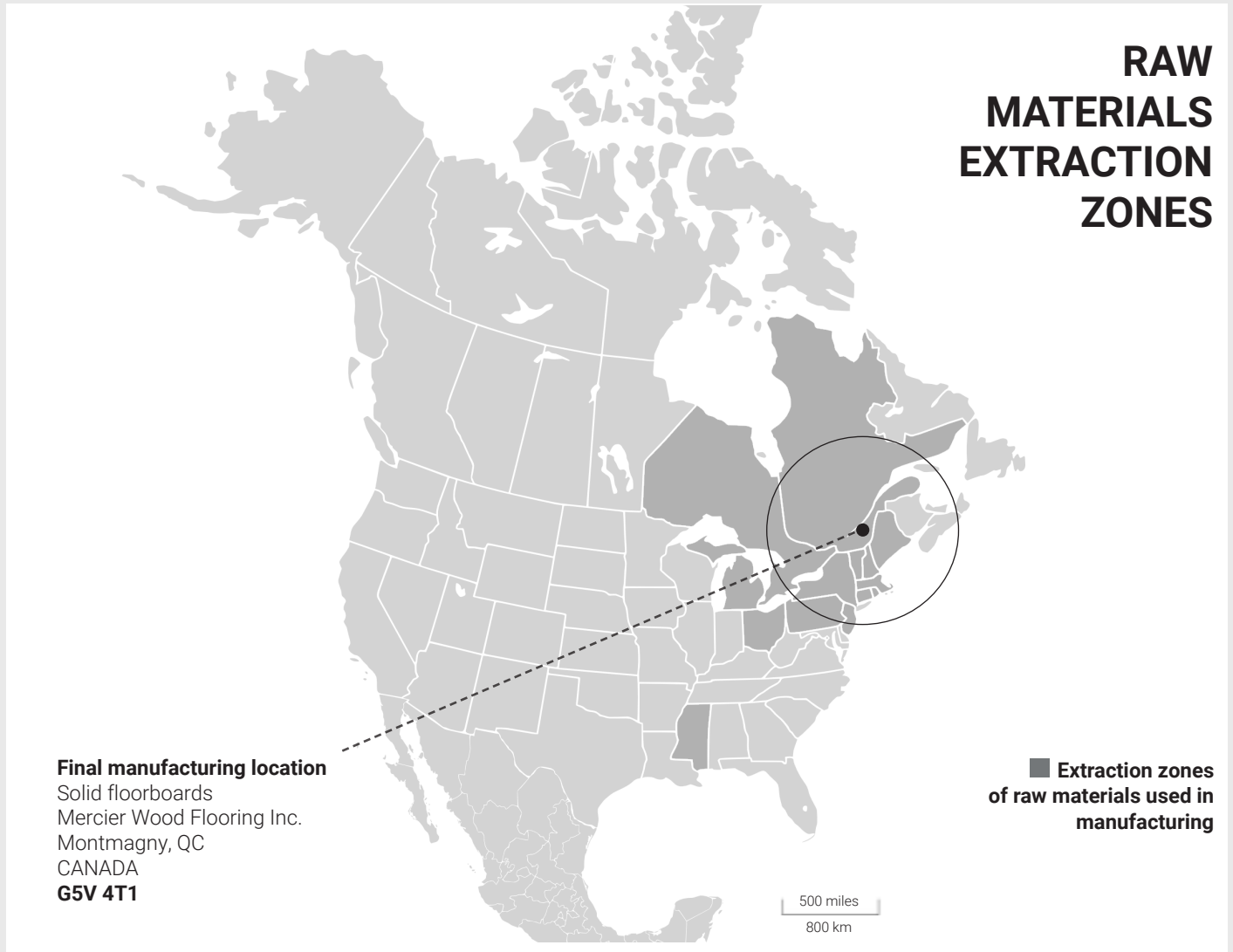
The source of extraction or location of raw materials has been documented for 99.0% of final product weight.

ENVIRONMENTAL DATA SHEET

SOLID WOOD FLOOR

ATTRIBUTES (CONTINUED)

SOURCING OF RAW MATERIALS (CONTINUED)



HARDWOOD HARVEST LOCATION (Details available upon request)

Canada: Quebec and Ontario

United States: Connecticut, Maine, Massachusetts, Michigan, Mississippi, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island and Vermont.

ENVIRONMENTAL DATA SHEET

SOLID WOOD FLOOR

INGREDIENTS AND EMISSIONS

VOLATILE ORGANIC COMPOUNDS (VOCs)

All finish products are applied during the manufacture of Solid floorboards.
For category of products presented below, the value refers to the VOC content in their liquid state.

| Finition | | |
|--------------|-------------------|----------------|
| Manufacturer | Product | VOC content |
| AkzoNobel | Stain and varnish | 4 g/L - 79 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.

DECLARATION OF CHEMICAL INGREDIENTS



Type of declaration: Health Product Declaration® (HPD®) version 2.1

Period of validity: January 31, 2018 to January 31, 2021

HPD name: Solid Wood Flooring

Summary of product contents and results from screening individual chemical substances against HPD Priority Lists¹ and the GreenScreen for Safer Chemicals®².

HPDC repository 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 inc., third party approved by HPDC

Ingredients inventory threshold: 1,000 ppm

Full disclosure of intentional ingredients: Yes

Full disclosure of known hazards: Yes

Hazard(s) 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: List Translator Likely Benchmark 1³

- | | | |
|--|--|--|
| <input checked="" 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 type="checkbox"/> Gene mutation | <input checked="" type="checkbox"/> Mammal | <input type="checkbox"/> Ozone depletion |
| <input type="checkbox"/> Development | <input type="checkbox"/> Land toxicity | <input checked="" type="checkbox"/> Multiple |
| <input checked="" type="checkbox"/> Reproductive | <input checked="" type="checkbox"/> Aquatic toxicity | <input type="checkbox"/> Unknown |
| <input checked="" type="checkbox"/> Endocrine | <input checked="" type="checkbox"/> Skin or eye | |

¹Refer to Annex D of HPD® Open Standard Version 2.1, May 2017: <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).



ENVIRONMENTAL DATA SHEET

SOLID WOOD FLOOR

INGREDIENTS AND EMISSIONS (CONTINUED)

TABLE OF INGREDIENTS

| Component | Role | Weight ratio | CAS ¹ | GreenScreen ^{®2} | Other applicable score (for more details refer to the HPD [®]) |
|----------------|----------------|--------------|------------------|---------------------------|---|
| Hardwood | Main component | 99.0% | - | - | - |
| Natural Finish | Finish | 0% - 1.0% | Multiple | LT-P1 | LT-UNK scores also present |
| Stain Finish | Finish | 0% - 1.0% | 14807-96-6 | BM-1 | LT-1, LT-P1, LT-UNK 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.

TECHNICAL PERFORMANCES

PERFORMANCE TESTS

Tests conducted by Mercier Wood Flooring, Inc. according to applicable ASTM standards.

Source: Mercier Wood Flooring Inc.

WARRANTY

Mercier GENERATIONS finish
35-year warranty for residential applications
5-year warranty for light commercial applications
Structural lifetime warranty

Generations Intact 2500 finish
50-year warranty for residential applications
10-year warranty for light commercial applications
3-year warranty for commercial applications with direct outdoor access
Structural lifetime warranty

Source: Mercier Wood Flooring Inc.

MANUFACTURER'S ENVIRONMENTAL MANAGEMENT PROGRAM

MANUFACTURER'S COMMITMENT

We are committed to sourcing wood only from environmentally responsible suppliers. All the species we use come from sustainably managed North American forests and adhere to rigorous traceability standards.

We reinsert 100% of our residues back into the company to heat our factory, for example. All our products are packaged using recycled and recyclable packaging.

Mercier is one of the few manufacturers of prefinished wood to be certified Greenguard Gold, the highest standard on the market. This certification confirms that our finishes are free of thousands of chemical substances that are harmful to human health, such as VOCs and other pollutants. We provide peace of mind to clients who are concerned about the air that they breathe.

Source: Mercier Wood Flooring Inc.

The data included in this Environmental Data Sheet has been provided by the client and the suppliers, who are responsible for its veracity and its integrity. Vertima follows a rigorous protocol, including an on-site audit of the factory, an audit of the manufacturer's supply chain documentation, and the analysis and validation of all supporting documents. However, Vertima cannot be held responsible for false or misleading information that may cause any loss or damage suffered, caused in all or in part, by errors and/or omissions relative to the collection, compilation and/or interpretation of data.

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Validated Eco-Declaration:
VED18-1032-03
Period of validity:
2019/02 à 2020/02



ENVIRONMENTAL DATA SHEET

SOLID WOOD FLOOR

MANUFACTURER'S ENVIRONMENTAL MANAGEMENT PROGRAM

QUALITY MANAGEMENT SYSTEM (ISO 9001:2015)

| Certification number | Certification agency | Period of validity |
|----------------------|------------------------|------------------------|
| CA09/55166 | SGS North America Inc. | Until January, 20 2021 |

Scope of registration

Development and manufacturing of prefinished floors and moldings

Certified site

330, rue des Entrepreneurs, Montmagny, QC G5V 4T1 Canada



Validated Eco-Declaration – ISO Certification

Methodology: validation of documents attesting the ISO Certification.

Vertima's procedure: VERT-032011, Second Edition.

GREENGUARD GOLD CERTIFICATION

Compliant with the standard method of the California Department of Public Health (CDPH)

Solid floorboards



| Certification agency | Certification number | Specie* |
|----------------------|---------------------------|-----------------|
| UL Environment | 15724-420 | Hard maple |
| UL Environment | 15716-420 | Red oak |
| UL Environment | 15732-420 | White oak |
| UL Environment | 15736-420 | American walnut |

| Certification agency | Certification number | Specie* |
|----------------------|----------------------------|--------------|
| UL Environment | 102656-420 | Hickory |
| UL Environment | 102654-420 | Yellow birch |
| UL Environment | 15731-420 | White ash |

*Greenguard Gold certification available for all other species and colors.

Validated Eco-Declaration – Greenguard Certification

Methodology: validation of documents attesting the Certification.

Vertima's procedure: VERT-032011, Second Edition.



ENVIRONMENTAL DATA SHEET

SOLID WOOD FLOOR

PRODUCT CONTRIBUTION SUMMARY

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

New Construction and Major Renovation, 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 – Material Ingredients Option 1: Material ingredients reporting (1 point) Solid floorboards 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 2.1 Health Product Declaration® |
| INDOOR ENVIRONMENTAL QUALITY | | PRODUCT CONTRIBUTIONS | |
| EQ | Low-Emitting Materials Option 1: Product category calculation (1-3 points) For the flooring category 100% of flooring must meet the requirements. | Contribute | INGREDIENTS AND EMISSIONS |
| | | | Solid floorboards have been tested according with the standard method of the California Department of Public Health (CDPH) v1.2-2017. |

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 Prerequisite | Certified Tropical Wood | Contribute | ATTRIBUTES |
| | | | The Solid floorboards is available with non-tropical wood species. |
| INDOOR ENVIRONMENTAL QUALITY | | PRODUCT CONTRIBUTIONS | |
| EQ | Low-Emitting Products (0.5-3 points) At least 90% of all materials in each category must meet credit requirements. | Contribute | INGREDIENTS AND EMISSIONS |
| | | | Solid floorboards have been tested according with the standard method of the California Department of Public Health (CDPH) v1.2-2017. |

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 obtain LEED® credits.

