







**LOC FLOORBOARDS**
**City Life Collection**

Composed of an HDF and pine base with a high-quality hardwood surface, City Life floorboards have micro-V joints providing an installation that will remain stable and durable over time. They are available in white oak and American walnut, in a wide selection of contemporary colours.

Factory prevarnished with Mercier GENERATIONS finish, made of pure soybean oil, Mercier floorboards are Greenguard Gold certified and come with a comprehensive warranty of 20 years for residential use.

**VALIDATED ECO-DECLARATION**

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PRODUCT SPECIFICATIONS	ENVIRONMENTAL IMPACTS	TECHNICAL PERFORMANCES
<b>Reference</b> Factory prevarnished laminated floorboards	<b>Life Cycle Assessment</b> -	<b>Performance tests</b> Tests conducted by Mercier Wood Flooring, Inc. according to applicable ASTM standards.
<b>Final manufacturing location</b> Montmagny (Quebec) G5V 4T1 CANADA	<b>Reference service life</b> -	<b>MANUFACTURER'S ENVIRONMENTAL MANAGEMENT</b>
<b>Components</b> HDF, hardwood, adhesive and finish.	<b>Product's carbon footprint</b> -	
<b>ATTRIBUTES</b>	<b>Environmental Product Declaration</b> ISO 14025:2006 -	<b>ISO 14001 Certification</b> -
	<b>INGREDIENTS AND EMISSIONS</b>	<b>Extended Producer Responsibility</b> (Take Back Program) -
<b>Recycled Content</b> Pre-consumer: 0% Post-consumer: 0%	<b>Declaration of chemical ingredients</b> 1,000 ppm	<b>Corporate Sustainability Report</b> (CSR : GRI, ISO 26000, BNQ 21000 or others) -
<b>Sourcing of raw materials</b> Data collection from suppliers was conducted for 100% of the product components.	<b>Type of declaration</b> HPD® version 2.1 Health Product Declaration®	<b>CERTIFICATIONS AND CONFORMITIES</b>
<b>FSC® Certification</b> RA-COC-003583 (When specified)	<b>Emission test</b> FloorScore® Certified	
<b>Rapidly renewable materials</b> -	<b>VOCs</b> -	   
<b>Biobased materials</b> -	<b>Formaldehyde</b> -	
	<b>Others</b> EPA TSCA Title VI Compliant	

An industry leader in prevarnished hardwood flooring for more than 35 years, Mercier's mission is to fully satisfy its customers by designing high-quality environmentally responsible products through constant innovation.

330, rue des Entrepreneurs, Montmagny, QC G5V 4T1 CANADA  
[www.mercier-wood-flooring.com](http://www.mercier-wood-flooring.com)

 MasterFormat®: **09 64 00**

Validated Eco-Declaration:

**VED18-1032-02**

 Original issue date: **2018/02**

 Last modification: **2019/08**

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


# ENVIRONMENTAL DATA SHEET

## LOC FLOORBOARDS

### CHARACTERISTICS

- Wood species available: white oak and American walnut
- Available in a width of 5 ¾" (145 mm)
- Profile: micro-V joint on 4 sides
- Locking system: Välinge 2G™



### ATTRIBUTES

#### RECYCLED CONTENT

Final product	Weight ratio	Pre-consumer	Post-consumer
Loc floorboards	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	Suppliers location	Extraction location	Transportation
HDF	91.3%	Spain	N/A	N/A
Hardwood	7.2%	Europe and North America	N/A	N/A
Adhesive	1.1%	N/A	N/A	N/A
Finish	0.4%	N/A	N/A	N/A

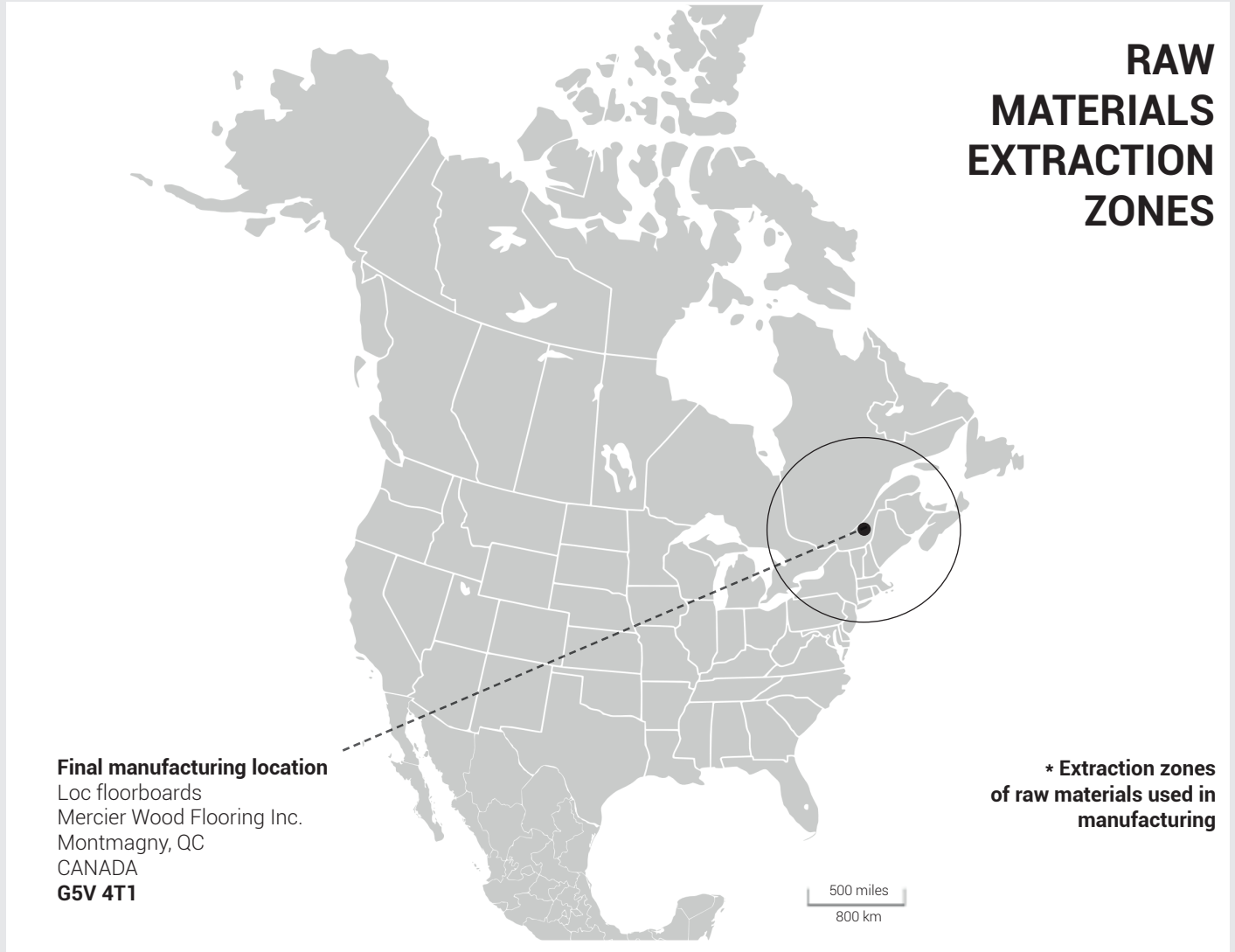
Data collection from suppliers was conducted for 100% of the product components.

# ENVIRONMENTAL DATA SHEET

## LOC FLOORBOARDS

### ATTRIBUTES (CONTINUED)

#### SOURCING OF RAW MATERIALS (CONTINUED)



1. **SOURCE OF HDF** (Not shown on the map)  
**Espagne**
2. **HARDWOOD HARVEST LOCATION** (Details available upon request)  
**Europe and North America**

\*The extraction locations of raw materials of Loc floorboards could not be documented.


# ENVIRONMENTAL DATA SHEET

## LOC FLOORBOARDS

### ATTRIBUTES (CONTINUED)

#### FSC® CERTIFICATION

Loc floorboards FSC®-Certified are available in the following wood species: white oak and american walnut. Contact Mercier Wood Flooring Inc. for more details.

 <p>www.fsc.org FSC® C014285 La marque de la gestion forestière responsable</p>	Loc floorboards	% Wood component	% FSC®-Certified wood	% FSC® certified wood versus total wood component weight of final product
	HDF and hardwood	100%	100%	100%
	Mercier Wood Flooring Inc.	Certification number	Type of certification	Period of validity
	Montmagny, QC CANADA	RA-COC-003583	FSC® Mix	2018/12/04 to 2023/11/04

Validated Eco-Declaration – FSC® Certification

Methodology: on-site audit, supply chain evaluation and validation of FSC® certification documents confirming the type of certification and calculation, based on FSC®-Certified wood weight ratio in the final product.

Vertima's procedure: VERT-032008-03, Second Edition.

### INGREDIENTS AND EMISSIONS

#### VOLATILE ORGANIC COMPOUNDS (VOCs)

All finish and adhesive products are applied during the manufacture of Loc floorboards. For categories of products presented below, value refer to the VOC content in their liquid state.

Adhesive		
Manufacturer	Product	VOC content
HB Fuller	Adhesive for wood substrate	2.9 g/L

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.

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# ENVIRONMENTAL DATA SHEET

LOC FLOORBOARDS

## INGREDIENTS AND EMISSIONS (CONTINUED)

### DECLARATION OF CHEMICAL INGREDIENTS



**VERSION 2.1**

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

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

**HPD name:** Loc Wood Flooring

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>.

**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 1<sup>3</sup>

- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> PBT (Persistent, Bioaccumulative, Toxic) | <input checked="" type="checkbox"/> Respiratory      | <input checked="" 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 checked="" 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      |   |

<sup>1</sup>Refer to Annex D of HPD® Open Standard Version 2.1, May 2017: <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

Component	Role	Weight ratio	CAS <sup>1</sup>	GreenScreen® <sup>2</sup>	Other applicable score (for more details refer to the HPD®)
HDF	Main component	91.3%	67-56-1	BM-1	LT-1, LT-UNK scores also present
harwood	Top layer	4.5%	-	-	-
Backing	Structural support	2.7%	-	-	-
Adhesive #2	Assembly	1.1%	108-05-04	LT-P1	LT-UNK scores also present
Mat stain finish	Finish	0% - 0.4%	14807-96-6	BM-1	LT-1, LT-P1, LT-UNK scores also present
Natural mat finish	Finish	0% - 0.4%	Multiple	LT-P1	LT-UNK 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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# ENVIRONMENTAL DATA SHEET

## LOC FLOORBOARDS

### TECHNICAL PERFORMANCES

#### PERFORMANCE TESTS

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

Source: Mercier Wood Flooring Inc.

#### WARRANTY

20-year finish wear warranty for residential use

Lifetime structural warranty

Source: Mercier Wood Flooring Inc.

### MANUFACTURER'S ENVIRONMENTAL MANAGEMENT PROGRAM

#### MANUFACTURER'S COMMITMENT

Our forests and the natural world are at the heart of our mission, and we work every day to ensure that our impact on the environment is minimal. All our packaging is made of 100% recycled and recyclable cardboard and is printed without bleaching agents. All waste material from our factories is reused in various forms: in our factory heating system, as residential heating materials, in pulp and paper mills, or to produce wooden pallets. Maximizing the use of raw materials, recycling renewable energy, reducing air emissions and ensuring that our wood is sourced from certified suppliers are at the heart of our business practices. Mercier floors are easy to maintain and do not require the use of chemical products that may be harmful to the environment. They are Greenguard Gold certified – the highest environmental certification on the market.

Source: Mercier Wood Flooring Inc.

#### 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.



#### FLOORSCORE® CERTIFICATION

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

##### Loc floorboards

Certification agency	Certification number	Species*
SCS Global Services	<a href="#">SCS-FS-04298</a>	White Oak
SCS Global Services	<a href="#">SCS-FS-04298</a>	American walnut

\*FloorScore® certification available for all other species and colors.

Validated Eco-Declaration – FloorScore® Certification

Methodology: validation of documents attesting the Certification.

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

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## LOC FLOORBOARDS

### 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	<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 sourced (extracted, manufactured, purchased) within 160 km of the project site.	Contribute	<b>ATTRIBUTES</b>
			FSC® Mix Certification (100%)
MR	<b>Building Product Disclosure and Optimization – Material Ingredients</b> Option 1: Material ingredients reporting (1 point) Loc 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	<b>INGREDIENTS AND EMISSIONS</b>
			HPD® version 2.1 Health Product Declaration®
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
EQ	<b>Low-Emitting Materials</b> Option 1: Product category calculation (1-3 points) For the flooring category 100% of flooring must meet the requirements.	Contribute	<b>INGREDIENTS AND EMISSIONS</b>
			Loc 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	<b>Certified Tropical Wood</b>	Contribute	<b>ATTRIBUTES</b>
			Loc floorboards are available with non-tropical wood species.
MR	<b>Environmentally Preferable Products</b> Maximum of 4 points depending on both options in the context of each project. Option 2: Environmentally Preferable Products Wood products must be FSC®-Certified, or USGBC-approved equivalent. Loc floorboards meet at least 1 criterion for this option since the product is FSC®-Certified.	Contribute	<b>ATTRIBUTES</b>
			FSC® Mix Certification (100%)
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
EQ	<b>Low-Emitting Products (0.5-3 points)</b> At least 90% of all materials in each category must meet credit requirements.	Contribute	<b>INGREDIENTS AND EMISSIONS</b>
			Loc 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.

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