



SOLID SAWN® HARDWOOD FLOORING

3/4" (19 mm) structured hardwood with a 4 mm sawn face lamella, solid hardwood finger core and hardwood back.


Micro beveled on all 4 edges for a seamless look.

Tongue and grooved joints that can be nailed, floated or glued down and approved for most species over radiant heat.

VALIDATED ECO-DECLARATION

Product's contribution to LEED® v4

©Copyright 2016 by Vertima inc.

PRODUCT SPECIFICATIONS	ENVIRONMENTAL IMPACTS	TECHNICAL PERFORMANCES
Reference 3/4" thick structured hardwood flooring Final manufacturing location Toronto, Ontario M8Z 1K8 CANADA Composition Hardwood lamella, hardwood core, carrier layer, back lamella, adhesives and finishes	Life Cycle Assessment - Product's carbon footprint - Environmental Product Declaration - ISO 14025:2006, Type III	Performance tests CAN/ULC S102-10 Expected life -
ATTRIBUTES	INGREDIENTS AND EMISSIONS	MANUFACTURER'S ENVIRONMENTAL MANAGEMENT
Recycled content Pre-consumer: 0% Post-consumer: 0% Regional content The origin and extraction location of raw materials has been documented for 94.3% of the final product weight ratio.	Declaration of chemical ingredients - Type of declaration - Emission test - VOCs See Page 4 Formaldehyde Emission factor 4.9 µg/m ² -h Others -	ISO 14001 Certification - Extended Producer Responsibility (Take Back Program) - Corporate Sustainability Reporting (CSR: GRI, ISO 26000, BNQ 21000 or other) -
FSC® Certification (When available) RA-COC-002199 Rapidly renewable materials - Biobased materials -		CERTIFICATIONS AND CONFORMITY REPORTS
		 Lacey Act Compliant

As an innovative leader, in the prefinished hardwood flooring market, Vintage Hardwood Flooring, manufacturer of Vintage Prefinished Flooring, has built a reputation of exceptional quality and service both across Canada and in the United States.

409 Evans Avenue, Toronto, Ontario M8Z 1K8 CANADA
www.vintageflooring.com

MasterFormat®: **09 64 00**

Validated Eco-Declaration:

VED16-1071-01

Original issue date: **2016/07**

Period of validity: **2016/07 to 2017/07**



ENVIRONMENTAL DATA SHEET

SOLID SAWN® HARDWOOD FLOORING



- 3/4" (19 mm) structured hardwood, with 4mm sawn face lamella, solid hardwood finger core and hardwood back
- 4 Micro beveled edges
- Tongue and grooved joints for nailed, floated or glued down installations
- Radiant heat approved for most species
- Stains and finishes are 99% VOC and formaldehyde free

ATTRIBUTES

RECYCLED CONTENT

Final product	Weight ratio	Pre-consumer	Post-consumer
Solid Sawn® Hardwood Flooring	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 manufacturing the final product.

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

REGIONAL CONTENT

Weight ratio	Final manufacturing location
100%	Toronto, Ontario M8Z 1K8 CANADA

Validated Eco-Declaration - Regional Content

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

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

Product components	Weight ratio	Extraction locations	Transportation
Hardwood core	38.8% - 41.4%	Indonesia	Boat and road
Hardwood lamella	22.2% - 26.9%	Europe, Canada, United-States	Boat and/or road
Back lamella	24.2% - 25.8%	Indonesia	Boat and road
Carrier layer	4.8% - 5.1%	Indonesia	Boat and road
Adhesives	4.7% - 5.0%	N/A	N/A
Finishes	< 1%	N/A	N/A

The extraction location has been documented for **94.3%** to **94.6%** of materials of the final product components, based on weight ratio.

The data included in this Environmental Data Sheet has been provided by the client and the suppliers, who are responsible for its veracity and the 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, in all or in part, caused by errors and omissions relative to the data collection, compilation and/or interpretation. The analysis protocol used by Vertima is available on request.

Validated Eco-Declaration:
VED16-1071-01
 Period of validity:
2016/07 to 2017/07



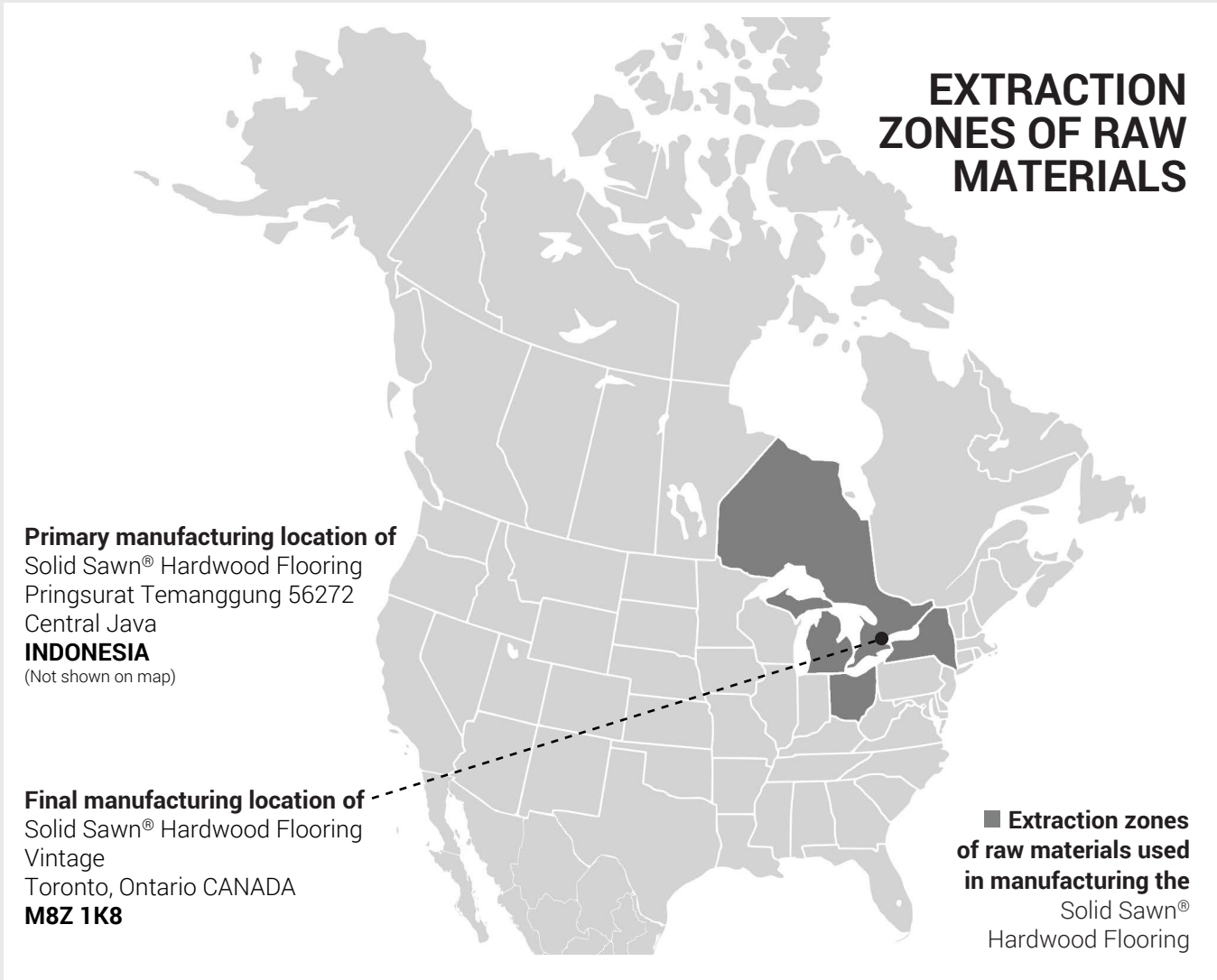
ENVIRONMENTAL DATA SHEET

SOLID SAWN® HARDWOOD FLOORING



ATTRIBUTES (CONTINUED)

REGIONAL CONTENT (CONTINUED)



1. HARVEST LOCATIONS OF WOOD: (Details available upon request)

Canada: Ontario.

United States: Michigan, New York and Ohio.

Europe: France and Germany. (Not shown on map)

2. HARVEST LOCATIONS OF TROPICAL WOOD: (Details available upon request)

Indonesia: Central Java. (Not shown on map)

The data included in this Environmental Data Sheet has been provided by the client and the suppliers, who are responsible for its veracity and the 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, in all or in part, caused by errors and omissions relative to the data collection, compilation and/or interpretation. The analysis protocol used by Vertima is available on request.

Validated Eco-Declaration:
VED16-1071-01
Period of validity:
2016/07 to 2017/07



ENVIRONMENTAL DATA SHEET

SOLID SAWN® HARDWOOD FLOORING



ATTRIBUTES (CONTINUED)

FSC® CERTIFICATION

When available, FSC®-Certified Vintage Solid Sawn® Hardwood Flooring is available for the following wood species: **White Oak**. (Contact Vintage for other options)

	Vintage Solid Sawn® Hardwood Flooring	% Wood component	% FSC®-Certified wood	Total % FSC®-Certified wood used in the final assembly of the product versus the total weight of the wood components (based on weight ratio)
	Wood	94.3% - 94.6%	94.3% - 94.6%	100%
	Vintage	Certification number	Type of certification	Period of validity
	Toronto, Ontario CANADA	RA-COC-002199	FSC® Mix	2012/02/13 to 2017/02/12

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 weight ratio, of the wood that is FSC®-Certified in the final product.

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

INGREDIENTS AND EMISSIONS

VOLATILE ORGANIC COMPOUNDS (VOCs)

All adhesives and finishes are applied during the manufacturing of Vintage's Solid Sawn® Hardwood Flooring. In each category of products presented below, the values refer to the VOC content of adhesives and finishes in their liquid state. Therefore, the VOC content may not be representative of the level of VOCs present in adhesives and finishes in their dry state.

Adhesives			
Manufacturer	Product type	VOC content	
Casco Adhesives	Wood adhesives and additives	0.2 g/L - 235.8 g/L	
Prefere	Wood adhesive and additives	0 g/L - 120 g/L	
Finishes			
Manufacturer	Type	Product	VOC content
PPG Industries	Clear wood finish	UV Urethane Oil	32.0 g/L
PPG Industries	Clear wood finish	Pearl and Semi-Gloss finishes	0 g/L - 2.2 g/L

Validated Eco-Declaration - Emissions and VOCs

Methodology: validation of documents attesting the methodology and results of emissions general evaluation and VOCs.

Vertima's procedure: VERT-032009-02, First Edition.

The data included in this Environmental Data Sheet has been provided by the client and the suppliers, who are responsible for its veracity and the 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, in all or in part, caused by errors and omissions relative to the data collection, compilation and/or interpretation. The analysis protocol used by Vertima is available on request.

Validated Eco-Declaration:
VED16-1071-01
 Period of validity:
2016/07 to 2017/07



ENVIRONMENTAL DATA SHEET

SOLID SAWN® HARDWOOD FLOORING



INGREDIENTS AND EMISSIONS (CONTINUED)

FORMALDEHYDE

Testing method

Test Report on Building Product Formaldehyde Emissions



Product name: Solid Sawn

Analytical lab: Berkeley Analytical

Report #: 694-003-03A-Apr2715

Analytical procedure: ASTM D5197

Report date: Apr. 27, 2015

Test method: ASTM D5116-10 (Small Chamber)

Formaldehyde emissions:

Building products are tested for their emissions of just formaldehyde using ASTM Guide D5516. The specimen and chamber parameters for an ASTM D5116 test are set to match the parameters for a CDPH Standard Method test so that equivalent results are obtained. The test result is reported as an emission factor that can be compared to the emission factor limits in CDPH Standard Method v1.1.

Results

Chemical / Chemical Group	Elapsed Time (h)	Chamber Concentration (µg/m³)	Emission Factor (µg/m²-h)
Formaldehyde	24	2.3	4.9

Source: Berkeley Analytical Product Formaldehyde Emissions Report

CDPH Standard Method v1.1 allowance

Comparative Table: Maximum allowable formaldehyde emission factors (µg/m²-h) for flooring in CDPH Standard Method v1.1. Three building scenarios, a school classroom, a private office and a single-family residence, with different criteria are defined in the standard.

Product type	Allowable Emission Factor (µg/m²-h)		
	Classroom	Office	Residence
Flooring	19.3	16.7	5.4

Source: Hodgson A.T. (2015) Formaldehyde Emissions from Flooring & Other Building Products: How to Test. Berkeley Analytical. Richmond, CA. 5 pp.

Validated Eco-Declaration - Emission Test
Methodology: validation of documents certifying the test results.
Vertima's procedure: VERT-032009-02, First Edition.

TECHNICAL PERFORMANCES

PERFORMANCE TESTS

Non-exhaustive list. See general product specifications sheet for more details.

- CAN/ULC S102-10: Method of Test for Surface Burning Characteristics of Building Materials and Assemblies

The data included in this Environmental Data Sheet has been provided by the client and the suppliers, who are responsible for its veracity and the 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, in all or in part, caused by errors and omissions relative to the data collection, compilation and/or interpretation. The analysis protocol used by Vertima is available on request.

Validated Eco-Declaration:
VED16-1071-01
Period of validity:
2016/07 to 2017/07



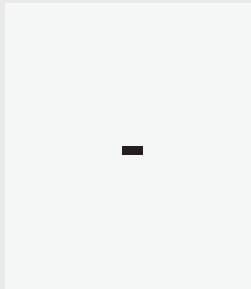
ENVIRONMENTAL DATA SHEET

SOLID SAWN® HARDWOOD FLOORING



TECHNICAL PERFORMANCES (CONTINUED)

EXPECTED LIFE



Warranties

- Lifetime structural warranty for residential installations;
- **Twenty-five (25) year** wear warranty for residential installations and **Three (3) year** for commercial installations (Pearl & Semi-gloss finishes);
- **Ten (10) year** limited wear warranty for residential installations and **One (1) year** for commercial installations (UV Urethane Oil finish).

MANUFACTURER'S ENVIRONMENTAL MANAGEMENT

RESPONSIBLE RAW MATERIALS PROCUREMENT REPORT

Report name	Date	Lacey Act Compliant
Controlled Wood Risk Evaluation	Updated annually	

Validated Eco-Declaration - Supply Chain Management Report
Methodology: validation of documents attesting the supply chain management report.
Vertima's procedure: VERT-032009-04, First Edition.

COMPANY'S COMMITMENT

The Vintage Commitment... to manufacture a superior quality, naturally green product with the best value, surpassed by none in the industry. Yours to enjoy for a lifetime.

Using state-of-the art technology, our specialized team of wood experts continuously strives to offer our customers the best quality product and finish in the market. Rigorous quality control measures and continuous improvements to our manufacturing process are undertaken to ensure our systems meet the toughest standards. Our Pearl and Semi-Gloss floors are finished with our specially formulated Armour-Kote® aluminum oxide finish, guaranteed to deliver 25 years of lasting protection and beauty.

All Vintage stains, pigments and dyes are waterborne, heavy-metal and formaldehyde free. Sealers and topcoats are 99% VOC free.

Vintage ensures manufacturing is in compliance with provincial and federal laws in order to minimize harmful effects of manufacturing on the environment. We comply with the Lacey-Act to ensure all of our domestic and exotic wood species being imported and exported are protected. In compliance with this act, Vintage supplies an import/export declaration with each shipment.

The data included in this Environmental Data Sheet has been provided by the client and the suppliers, who are responsible for its veracity and the 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, in all or in part, caused by errors and omissions relative to the data collection, compilation and/or interpretation. The analysis protocol used by Vertima is available on request.



ENVIRONMENTAL DATA SHEET

SOLID SAWN® HARDWOOD FLOORING



PRODUCT CONTRIBUTION SUMMARY

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

New Construction, Core 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		POINTS	PRODUCT CONTRIBUTION
MR	Building Product Disclosure and Optimization – Sourcing of Raw Materials Option 2: Leadership extraction practices May also contribute to the location valuation factor if the product is sourced (extracted, manufactured, purchased) within 160 km around the project site.	1 point	ATTRIBUTES
			FSC®-Certified (100%) (When available)
MR	Building Product Disclosure and Optimization – Material Ingredients Option 1: Material ingredients reporting	Do not contribute ¹	INGREDIENTS AND EMISSIONS
			¹ Must have a compliant and published Health Product Declaration® to contribute to credit requirements
INDOOR ENVIRONMENTAL QUALITY		POINTS	PRODUCT CONTRIBUTION
EQ	Low-Emitting Materials Option 1: Product category calculation	Do not contribute ²	INGREDIENTS AND EMISSIONS
			² Must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1-2010

LEED® v4 requirements for Homes

Applies to single family homes, low-rise multi-family (one to three stories), or mid-rise multi-family (four to six stories); includes Homes and Multifamily Lowrise and Multifamily Midrise.

MATERIALS AND RESOURCES		POINTS	PRODUCT CONTRIBUTION
MR Prereq 1	Certified Tropical Wood	Prerequisite	ATTRIBUTES
			FSC®-Certified (100%) (When available)
MR Credit 2	Environmentally Preferable Products Option 2: Environmentally Preferable Products ³ At least 90% of all materials in each category must meet credit requirements. Vintage Solid Sawn® Hardwood Flooring contributes to 0.5 point for FSC®-Certified.	0.5 point ³	ATTRIBUTES
			FSC®-Certified (100%) (When available)
INDOOR ENVIRONMENTAL QUALITY		POINTS	PRODUCT CONTRIBUTION
EQ Credit 7	Low-Emitting Products At least 90% of all materials in each category must meet credit requirements.	Do not contribute ⁴	INGREDIENTS AND EMISSIONS
			⁴ Must be tested and determined compliant in accordance with 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.

The data included in this Environmental Data Sheet has been provided by the client and the suppliers, who are responsible for its veracity and the 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, in all or in part, caused by errors and omissions relative to the data collection, compilation and/or interpretation. The analysis protocol used by Vertima is available on request.

Validated Eco-Declaration:
VED16-1071-01
 Period of validity:
2016/07 to 2017/07

