



## CRAFTED® HARDWOOD FLOORING

9/16" (13.7 mm) engineered hardwood with a 3 mm sawn face lamella, multi-ply baltic birch plywood core and hardwood back.  
Micro beveled on all 4 edges for a seamless look.  
Tongue and groove joints that can be nailed, floated or glued down and approved over radiant heat.

## VALIDATED ECO-DECLARATION

## Product's contribution to LEED® v4

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PRODUCT SPECIFICATIONS	ENVIRONMENTAL IMPACTS	TECHNICAL PERFORMANCES
<b>Reference</b> 9/16" thick engineered hardwood flooring <b>Final manufacturing location</b> Toronto, Ontario M8Z 1K8 CANADA <b>Composition</b> Plywood, hardwood lamella, adhesives and finishes	<b>Life Cycle Assessment</b> -  <b>Product's carbon footprint</b> -  <b>Environmental Product Declaration</b> - ISO 14025:2006, Type III	<b>Performance tests</b> To be determined  <b>Expected life</b> -
ATTRIBUTES	INGREDIENTS AND EMISSIONS	MANUFACTURER'S ENVIRONMENTAL MANAGEMENT
<b>Recycled content</b> Pre-consumer: 0%   Post-consumer: 0%  <b>Regional content</b> The origin and extraction location of raw materials has been documented for 98.0% of the final product weight ratio.	<b>Declaration of chemical ingredients</b> -  <b>Type of declaration</b> -  <b>Emission test</b> -	<b>ISO 14001 Certification</b> -  <b>Extended Producer Responsibility (Take Back Program)</b> -  <b>Corporate Sustainability Reporting (CSR: GRI, ISO 26000, BNQ 21000 or other)</b> -
<b>FSC® Certification</b> (When available) RA-COC-002199  <b>Rapidly renewable materials</b> -  <b>Biobased materials</b> -	<b>VOCs</b> See Page 4  <b>Formaldehyde</b> < 1.5 µg/m³  <b>Others</b> CARB 93120 Compliant	CERTIFICATIONS AND CONFORMITY REPORTS
		 <p><b>Lacey Act Compliant</b> <b>CARB 93120 Compliant</b></p>

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](http://www.vintageflooring.com)

MasterFormat®: **09 64 00**  
Validated Eco-Declaration: **VED16-1071-03**  
Original issue date: **2016/07**  
Period of validity: **2016/07 to 2017/07**



# ENVIRONMENTAL DATA SHEET

## CRAFTED® HARDWOOD FLOORING



- 9/16" (13.7 mm) engineered hardwood with 3 mm saw face lamella, multi-ply Baltic birch core and hardwood back
- 4 Micro beveled edge
- Tongue and grooved joints for nailed, floated or glued dow installations
- Radiant heat approved
- Stains and finishes are 99% VOC and formaldehyde free

### ATTRIBUTES

#### RECYCLED CONTENT

Final product	Weight ratio	Pre-consumer	Post-consumer
Crafted® 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
Plywood (supplier #1)	77.0% - 78.3%	Russia	Boat and road
Plywood (supplier #2)		Europe	
Hardwood lamella	19.9% - 21.1%	Canada and United-States	Road
Adhesives	1.2%	N/A	N/A
Finishes	< 1%	N/A	N/A

The extraction location has been documented for **98.0%** to **98.3%** of materials of the final product components, based on weight ratio.

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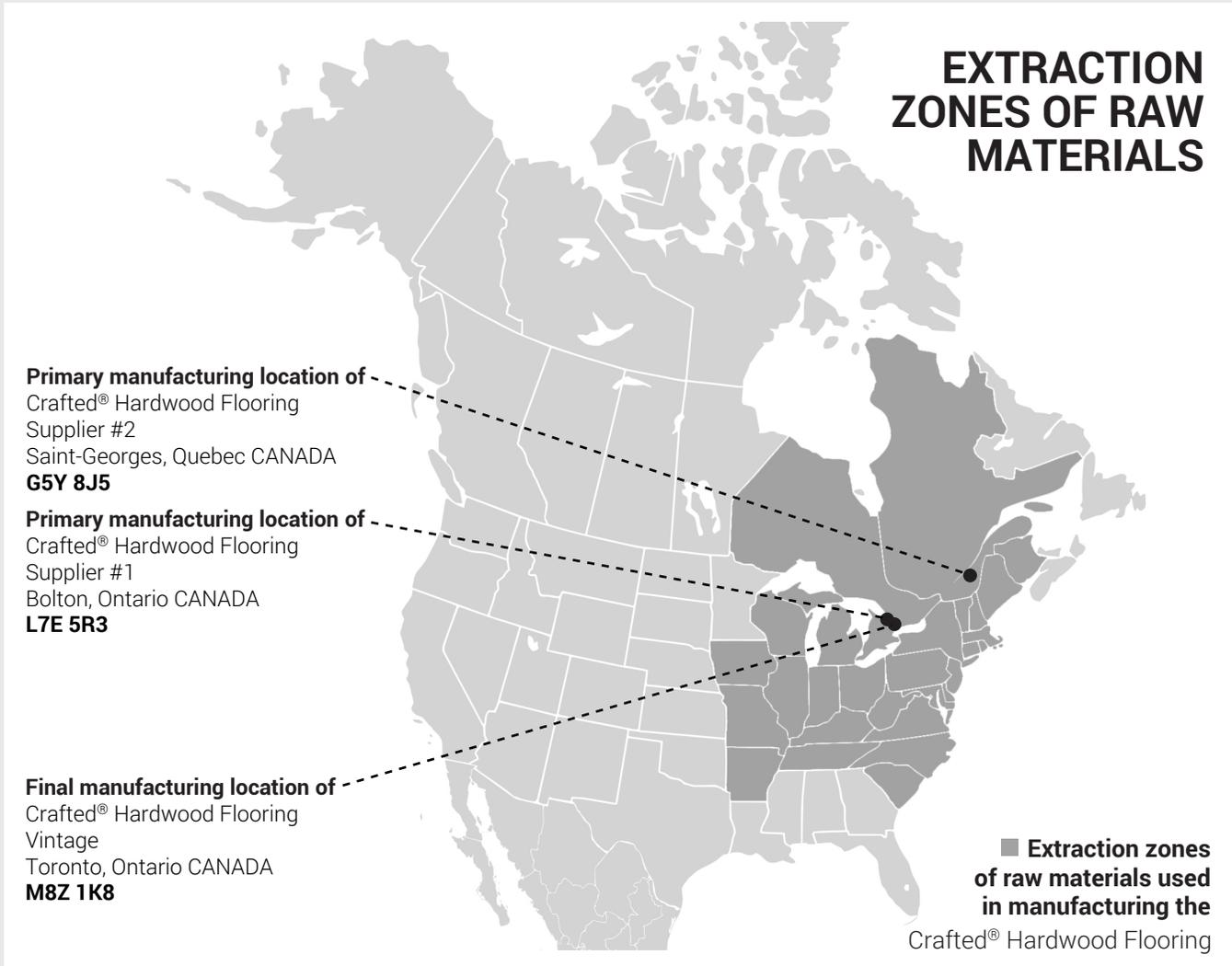
# ENVIRONMENTAL DATA SHEET

CRAFTED® HARDWOOD FLOORING



## ATTRIBUTES (CONTINUED)

### REGIONAL CONTENT (CONTINUED)



#### 1. MANUFACTURING LOCATIONS OF PLYWOOD: (Details available upon request)

- Russia (supplier #1).** (Not shown on map)
- Europe (supplier #2).** (Not shown on map)

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

- Canada (supplier #1):** Ontario.
- Canada (supplier #2):** Quebec, New-Brunswick, Ontario.
- United States (supplier #1):** Michigan, New York and Ohio.
- United States (supplier #2):** Arkansas, North Carolina, South Carolina, Connecticut, Delaware, Illinois, Indiana, Iowa, Kentucky, Maine, Maryland, Massachusetts, Michigan, Missouri, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Tennessee, Virginia, West Virginia, Vermont, Wisconsin.

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## CRAFTED® HARDWOOD FLOORING



### ATTRIBUTES (CONTINUED)

#### FSC® CERTIFICATION

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

	Vintage Crafted® 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	98.0% - 98.3%	98.0% - 98.3%	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 Crafted® Engineered 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	
HB Fuller	Polyurethane-based wood adhesive	0 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.

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**INGREDIENTS AND EMISSIONS (CONTINUED)**

**FORMALDEHYDE**

**Testing method**

**Test Report on Building Product Formaldehyde Emissions**



**Product name:** 2 ply engineered plywood / Crafted  
**Report #:** 694-003-02A-Apr2715  
**Report date:** Apr. 27, 2015

**Analytical lab:** Berkeley Analytical  
**Analytical procedure:** ASTM D5197  
**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)
No formaldehyde was detected	All sampling time points	LQ <sup>1</sup>	LQ <sup>1</sup>

<sup>1</sup>Indicates calculated value is below its lower limit of quantification. LQs for formaldehyde is 1.5µg/m³.

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**

Contact Vintage Hardwood Flooring for more details.

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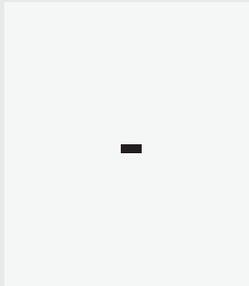
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## TECHNICAL PERFORMANCES (CONTINUED)

### 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.

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### 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	<b>Building Product Disclosure and Optimization – Sourcing of Raw Materials</b> 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	<b>Building Product Disclosure and Optimization – Material Ingredients</b> Option 1: Material ingredients reporting	Do not contribute <sup>1</sup>	INGREDIENTS AND EMISSIONS <sup>1</sup> Must have a compliant and published Health Product Declaration® to contribute to credit requirements
INDOOR ENVIRONMENTAL QUALITY		POINTS	PRODUCT CONTRIBUTION
EQ	<b>Low-Emitting Materials</b> Option 1: Product category calculation	Do not contribute <sup>2</sup>	INGREDIENTS AND EMISSIONS
			<sup>2</sup> 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	<b>Certified Tropical Wood</b>	Prerequisite	ATTRIBUTES
			Vintage Crafted® Hardwood Flooring does not contain any tropical wood species
MR Credit 2	<b>Environmentally Preferable Products</b> Option 2: Environmentally Preferable Products <sup>3</sup> At least 90% of all materials in each category must meet credit requirements. Vintage Crafted® Hardwood Flooring contributes to 0.5 point for FSC®-Certified.	0.5 point <sup>3</sup>	ATTRIBUTES
			FSC®-Certified (100%) (When available)
INDOOR ENVIRONMENTAL QUALITY		POINTS	PRODUCT CONTRIBUTION
EQ Credit 7	<b>Low-Emitting Products</b> At least 90% of all materials in each category must meet credit requirements.	Do not contribute <sup>4</sup>	INGREDIENTS AND EMISSIONS
			<sup>4</sup> 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.

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