





NORTHERN SOLID SAWN® (3 LAYER STRUCTURED WOOD CORE)

Real hardwood boards with SPF quarter sawn core and wood backing.

VALIDATED ECO-DECLARATION

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PRODUCT SPECIFICATIONS	ENVIRONMENTAL IMPACTS	TECHNICAL PERFORMANCES
Reference 3 layer structured wood core (Northern Solid Sawn)	Life Cycle Assessment -	Performance tests Relevant performances tests list. Fire reaction available on request.
Final manufacturing location Toronto, ON M8Z 1K8 or Saint-Georges, QC G5Y 8J5 CANADA	Reference service life -	
Components SPF core, hardwood lamella, veneer, adhesives and finishes.	Product's carbon footprint -	
ATTRIBUTES	Environmental Product Declaration ISO 14025:2006 -	MANUFACTURER'S ENVIRONMENTAL MANAGEMENT
Recycled Content Pre-consumer: 0% Post-consumer: 0%	INGREDIENTS AND EMISSIONS	ISO 14001 Certification -
Sourcing of raw materials The source of extraction and/or location of raw materials has been documented for 98.0% of final product weight.	Declaration of chemical ingredients 1,000 ppm	Extended Producer Responsibility (Take Back Program) -
Certified Wood PEFC 54327	Type of declaration HPD® version 2.1 Health Product Declaration®	Corporate Sustainability Report (CSR : GRI, ISO 26000, BNQ 21000 or others) -
Rapidly renewable materials -	Emission tests Complying with the CDPH	CERTIFICATIONS AND CONFORMITIES
Biobased materials -	VOCs CDPH test results ≤ 0.5 mg/m³	 Lacey Act Compliant 
	Formaldehyde CDPH test results ≤ 9.0 ug/m³	
	Others -	

As an innovative leader in the prefinished hardwood flooring market, Vintage Hardwood 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: **VED16-1071-04**
Original issue date: **07/2016**
Period of validity: **02/2019 to 02/2020**



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Characteristics

- Boards with uniform thicknesses and widths
- Micro-V joint on all four sides of the board
- Radiant heat approved for most species

ATTRIBUTES

RECYCLED CONTENT

Final product	Weight ratio	Pre-consumer	Post-consumer
3 layer structured wood core (Northern Solid Sawn)	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, Second Edition.

SOURCING OF RAW MATERIALS

Weight ratio	Final manufacturing location
100%	Toronto, ON M8Z 1K8 CANADA or Saint-Georges, QC G5Y 8J5 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
SPF core	63.2% - 65.1%	Canada and United States	Road
Hardwood lamella	26.0% - 26.1%	Canada and United States	Road
Veneer	7.0% - 8.8%	Various locations	Road
Adhesives	<1.0%	N/A	N/A
Finishes	<1.0%	N/A	N/A

The source of extraction and/or location of raw materials has been documented for 98.0% of final product weight.

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ATTRIBUTES (CONTINUED)

SOURCING OF RAW MATERIALS (CONTINUED)

RAW MATERIALS EXTRACTION ZONES

Primary manufacturing location

3 layer structured wood core
(Northern Solid Sawn)
Saint-Georges, QC
CANADA
G5Y 8J5

Final manufacturing location

3 layer structured wood core
(Northern Solid Sawn)
Toronto, ON
CANADA
M8Z 1K8

or

Final manufacturing location

3 layer structured wood core
(Northern Solid Sawn)
Saint-Georges, QC
CANADA
G5Y 8J5

■ Extraction zones
of raw materials used in
manufacturing

1. WOOD HARVEST LOCATION - SPF core & Hardwood lamella (Details available upon request)

Canada: Quebec, New Brunswick, Ontario.

United States: Arkansas, Connecticut, Delaware, Illinois, Indiana, Iowa, Kentucky, Maine, Maryland, Massachusetts, Michigan, Missouri, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Vermont, Virginia, West Virginia, Wisconsin.

2. VENEER HARVEST LOCATION (Details available upon request)

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ATTRIBUTES (CONTINUED)

CERTIFIED WOOD

When specified, PEFC certified 3 layer structured wood core (Northern Solid Sawn) could be available.
(Contact Vintage for availability)

	Certification agency			Product covered
	Bureau de normalisation du Québec (BNQ)			Wooden floor
	Certificate site	Certification number	Traceability method	Period of validity
	BOA-FRANC INC. St-Georges, QC CANADA	54327	Credit system	2017/12/21 to 2022/12/20

Validated Eco-Declaration – Certified Wood

Methodology: on-site audit, supply chain evaluation and validation of certified wood documents confirming the type of certification.

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

TECHNICAL PERFORMANCES

PERFORMANCE TESTS

Contact manufacturer for more details.

WARRANTY

See product detailed description.

MANUFACTURER'S ENVIRONMENTAL MANAGEMENT PROGRAM

RESPONSIBLE RAW MATERIALS PROCUREMENT REPORT

Report name	Date
Controlled Wood Risk Evaluation	Updated annually

Lacey Act
Compliant

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.

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INGREDIENTS AND EMISSIONS

DECLARATION OF CHEMICAL INGREDIENTS



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

Period of validity: May 2018 to February 2021

HPD name: 3 layer structured wood core – Toronto

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 presented results are specific to 3 layer wood core prefinished at Toronto plant. For more details about the HPD® related to 3 layer wood core prefinished at St-Georges plant and entitled "3 layer wood core - St-Georges", please consult the 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: (Not associated with actual use of finished product)

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 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 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 | |

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).

TABLE OF INGREDIENTS

Component	Role	Weight ratio	CAS ¹	GreenScreen® ²	Other applicable score (for more details refer to the HPD®)
SPF core	Main element	65.0%	-	-	-
Hardwood lamella	Main element	26.0%	-	-	-
Veneer	Main element	7.0%	-	-	-
Adhesives	Assembly	<1.0%	1333-86-4	LT-1	LT-P1, LT-UNK and BM-4 scores also present
Finishes	Finishes	<1.0%	14807-96-6	BM-1	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)

EMISSION TESTS

Reference Standard



California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010 (Emission testing method for CA Specification 01350)
Certificate number: 150505-02
Issue Date: May 5, 2015
Final manufacturing location: Toronto, ON
Analytical Lab: Berkeley Analytical

Acceptance Criteria and Results Demonstrating Compliance of Product Sample to Referenced Standard:

Exposure Scenario ¹	Individual VOCs of Concern ²		Formaldehyde ³		TVOC ⁴
	Criterion	Compliant	Criterion	Compliant	Range
School Classroom	≤½ Chronic REL	Yes	≤9.0 µg/m ³	Yes	≤0.5 mg/m ³
Private Office	≤½ Chronic REL	Yes	≤9.0 µg/m ³	Yes	≤0.5 mg/m ³
Single Family Residence	≤½ Chronic REL	Yes	≤9.0 µg/m ³	Yes	≤0.5 mg/m ³

Product Coverage⁵: Not applicable

Source: Berkeley Analytical - VOC Emission Test Certificate

Reference Standard



California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010 (Emission testing method for CA Specification 01350)
Certificate number: 160914-01
Issue Date: September 14, 2016
Final manufacturing location: St-Georges, QC
Analytical Lab: Berkeley Analytical

Acceptance Criteria and Results Demonstrating Compliance of Product Sample to Referenced Standard:

Exposure Scenario ¹	Individual VOCs of Concern ²		Formaldehyde ³		TVOC ⁴
	Criterion	Compliant	Criterion	Compliant	Range
School Classroom	≤½ Chronic REL	Yes	≤9.0 µg/m ³	Yes	≤0.5 mg/m ³
Private Office	≤½ Chronic REL	Yes	≤9.0 µg/m ³	Yes	≤0.5 mg/m ³

Product Coverage⁵: Not applicable

Source: Berkeley Analytical - VOC Emission Test Certificate

¹Exposure scenarios & product quantities for classroom & office are defined in Tables 4-2 – 4-5 (CDPH Std. Mtd. V1.1-2010).

²Maximum allowable concentrations of individual target VOCs are specified in Table 4-1 (ibid).

³Maximum allowable formaldehyde concentration is ≤9 µg/m³, effective Jan 1, 2012; previous limit was ≤16.5 µg/m³ (ibid).

⁴Informative only; predicted TVOC Range in three categories, i.e., ≤0.5 mg/m³, >0.5 – 4.9 mg/m³, and ≥5.0 mg/m³.

⁵Informative and applicable only to tests of wet-applied products; grams of sample applied per square meter of substrate.

Validated Eco-Declaration—Emissions testing

Methodology: validation of documents certifying the test results.

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

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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 – Sourcing of Raw Materials Option 2: Leadership extraction practices (1 point) See Pilot-Credits MRpc102: Legal Wood	Contribute (pilot-credits)	ATTRIBUTES
			PEFC Certification (when specified)
MR	Building Product Disclosure and Optimization – Material Ingredients Option 1: Material ingredients reporting (1 point) The 3 layer structured wood core (Northern Solid Sawn) contributes to this credit due to the availability of Health Product Declarations® and is 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) Number of points is dependent on the LEED rating system and the number of compliant categories. For the flooring category 100% of flooring must meet the requirements.	Contribute	INGREDIENTS AND EMISSIONS
			The 3 layer structured wood core (Northern Solid Sawn) has been tested according with the standard method of the California Department of Public Health (CDPH).

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	-	ATTRIBUTES To meet the prerequisite, don't select tropical species of Vintage.
MR	Environmentally Preferable Products 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. See Pilot-Credits MRpc102: Legal Wood The 3 layer structured wood core (Northern Solid Sawn) meets at least 1 criterion for this option since the product is PEFC Certified when specified.	Contribute (pilot-credits)	ATTRIBUTES
			PEFC Certification (when specified)
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
			The 3 layer structured wood core (Northern Solid Sawn) has been tested according with the standard method of the California Department of Public Health (CDPH).

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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