






## NU GREEN® FR MDF

Uniboard® NU Green® FR MDF is an engineered wood product that uses a special chemical system to achieve a Class A / Class 1 fire rated panel. NU Green® FR MDF is designed for interior use in residential, commercial and institutional applications, where a non-structural panel is required.

## VALIDATED ECO-DECLARATION

PRODUCT SPECIFICATIONS	ENVIRONMENTAL IMPACTS	TECHNICAL PERFORMANCES
<b>References</b> Fired-rated Medium Density Fiberboard (MDF) laminated or not laminated	<b>Life Cycle Assessment</b> -	<b>Performance tests</b> ANSI A208.2-2022/ASTM E84
<b>Final manufacturing location</b> Mont-Laurier, Quebec J9L 3W3 Sayabec, Quebec G0J 3K0 Val-d'Or, Quebec J9P 5G6 CANADA	<b>Reference service life</b> -	<b>MANUFACTURER'S ENVIRONMENTAL MANAGEMENT</b>
<b>Composition</b> Wood fibers, flame retardant, diisocyanate resin, water, wax and melamine-cellulose.	<b>Product's carbon footprint</b> -	<b>ISO 14001 Certification</b> -
<b>ATTRIBUTES</b>	<b>Environmental Product Declaration</b> Industry-wide (generic) EPD, Type III, ISO 14025:2006 December 2018 to December 2023 The EPD excludes the laminated product.	<b>Extended Product Responsibility</b> - (Take Back Program)
<b>Recycled content</b> Pre-consumer: 74.7% - 76.8% Post-consumer: 0%	<b>INGREDIENTS AND EMISSIONS</b>	<b>Corporate Sustainability Report</b> - (CSR: GRI, ISO 26000, BNQ 21000 or others)
<b>Sourcing of raw materials</b> Data collection from suppliers has been conducted for the products components aligned with each specific environmental analysis.	<b>Declaration of chemical ingredients</b> 100 ppm	<b>CERTIFICATION(S) &amp; CONFORMITIES</b>
<b>Certified Wood</b> NC-COC-002726	<b>Type of declaration</b> HPD® version 2.3 Health Product Declaration® January 2023 to January 2026	  
<b>Rapidly renewable materials</b> -	<b>Emissions test</b> -	The mark of responsible forestry
<b>Biobased materials</b> -	<b>VOC</b> -	
	<b>Formaldehyde</b> ≤ 0.04 ppm	
	<b>Others</b> TSCA Title VI compliant No-added Formaldehyde (NAF) Certified	

Uniboard Canada Inc. is a leading North American manufacturer of engineered wood products, with installed capacity of over 660 million square feet of raw particleboard, high-density and medium-density fiberboard, of which over 50% is converted into value-added TFL.

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# ENVIRONMENTAL DATA SHEET

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## PRODUCT CONTRIBUTION SUMMARY

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

New Construction, Core and Shell, Schools, 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> <b>Option 2: Leadership extraction practices (1 point)</b> Product meets at least one of the responsible extraction criteria: recycled content, wood product certification, biobased materials, extended producer responsibility.	Contribute	<b>ATTRIBUTES</b> Recycled Content: Pre-consumer: 74.7% - 76.8% FSC® - Certified (When specified)
MR	<b>Building Product Disclosure and Optimization – Material Ingredients</b> <b>Option 1: Material ingredients reporting (1 point)</b> The product contributes to this credit due to the availability of Health Product Declarations®. They are valued as 1 whole product out of the 20 needed for the purposes of credit achievement.	Contribute	<b>INGREDIENTS AND EMISSIONS</b> HPD® version 2.3 Health Product Declaration®
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
EQ	<b>Low-Emitting Materials</b> <b>Option 1: Product category calculation (1-3 points)</b> Number of points is dependent on the LEED® rating system and the number of compliant categories. For the Composite Wood category, 100% of composite wood not covered by other categories must meet the Composite Wood Evaluation.	Contribute	<b>INGREDIENTS AND EMISSIONS</b> The wood composite product is NAF certified and meets the TSCA Title VI and/or CARB Phase 2 formaldehyde emissions requirements.

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 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 omissions relative to the collection, compilation and/or interpretation of data.

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## PRODUCT CONTRIBUTION SUMMARY

### 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	<p><b>Certified Tropical Wood</b></p> <p>All wood in the building must be nontropical, reused or reclaimed, or certified by the Forest Stewardship Council, or USGBC-approved equivalent. For the purposes of this prerequisite, a tree species is considered tropical if it is grown in a location that lies between the Tropic of Cancer and the Tropic of Capricorn.</p>	Contribute	<p><b>ATTRIBUTES</b></p> <p>The product does not contain any tropical wood.</p>
MR	<p><b>Environmentally preferable products</b></p> <p><b>Option 2 : Environmentally preferable products (1 point)</b></p> <p>The product contains at least 25% postconsumer or 50% preconsumer content.</p> <p>Wood products must be Forest Stewardship Council (FSC) Certified, or USGBC-approved equivalent.</p>	Contribute	<p><b>ATTRIBUTES</b></p> <p>Recycled Content: Pre-consumer: 74.7% - 76.8%</p> <p>FSC®- Certified (100%) (When specified)</p>
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
EQ	<p><b>Low-Emitting Materials (0.5-3 points)</b></p> <p>At least 90% of all materials in each category must comply with the California Department of Public Health Standard Method V1.1–2010, using CA Section 01350, Appendix B, New Single-Family Residence Scenario.</p> <p>Composite wood products must be constructed from materials documented to have low formaldehyde emissions that meet the California Air Resources Board requirements for ultra-low-emitting formaldehyde (ULEF) resins or no-added formaldehyde based resins (NAF).</p>	Does not contribute	<p><b>INGREDIENTS AND EMISSIONS</b></p> <p>The product was not tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method (CDPH) v1.1-2010. However, the wood composite product meets the TSCA Title VI and/or CARB Phase 2 formaldehyde emissions requirements, and is NAF compliant.</p>

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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