

ENVIRONMENTAL DATA SHEET



NU GREEN® FR MDF

Unioboard® 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

References

Fired-rated Meidum Density Fiberboard (MDF) laminated or not laminated

Final manufacturing location

Mont-Laurier, Quebec J9L 3W3 Sayabec, Quebec G0J 3K0 Val-d'Or, Quebec J9P 5G6 CANADA

Composition

Wood fibers, flame retardant, diisocyanate resin, water, wax and melamine-cellulose.

ATTRIBUTES

Recycled content

Pre-consumer: 74.7% - 76.8% Post-consumer: 0%

Sourcing of raw materials

Data collection from suppliers has been conducted for the products components aligned with each specific environmental analysis.

Certified Wood NC-COC-002726

Rapidly renewable materials

Biobased materials

ENVIRONMENTAL IMPACTS

Life Cycle Assessment

Reference service life

Product's carbon footprint

Environmental Product Declaration

Industry-wide (generic) EPD, Type III, ISO 14025:2006

> December 2018 to December 2023

> > $\leq 0.04 \text{ ppm}$

The EPD excludes the laminated product.

INGREDIENTS AND EMISSIONS

Declaration of 100 ppm chemical ingredients

HPD® version 2.3 Type of declaration Health Product Declaration® January 2023 to January 2026

Emissions test

VOC

Formaldehyde

Others

TSCA Title VI compliant No-added Formaldehyde (NAF) Certified

TECHNICAL PERFORMANCES

Performance tests

ANSI A208.2-2022/ASTM E84

MANUFACTURER'S ENVIRONMENTAL MANAGEMENT

ISO 14001 Certification

Extended Product Responsibility

(Take Back Program)

Corporate Sustainability Report

(CSR: GRI, ISO 26000, BNQ 21000 or others)

CERTIFICATION(S) & CONFORMITIES







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 mediumdensity fiberboard, of wich over 50% is converted into value-added TFL.

Master Format: 06 42 00 Validated Eco-Declaration: VED16-1068-06

Original issue date: 05/2016





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PRODUCT CONTRIBUTION SUMMARY

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

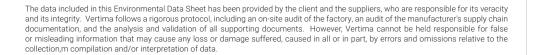
New Construction, Core and Shell, Schools, Retail, Data Centers, Warehouse and Distribution Centers, Hospitality and Healthcare.

LEED® v4 requirements for Interior Design + Construction (ID+C)

Commercial Interiors, Retail and Hospitality.

MATERIALS AND RESOURCES		PRODUCT CONTRIBUTIONS	
MR	Building Product Disclosure and Optimization — Sourcing of Raw Materials Option 2: Leadership extraction practices (1 point) Product meets at least one of the responsible extraction criteria: recycled content, wood product certification, biobased materials, extended producer responsibility.	Contribute	ATTRIBUTES Recycled Content: Pre-consumer: 74.7% - 76.8% FSC®- Certified (When specified)
MR	Building Product Disclosure and Optimization — Material Ingredients Option 1: Material ingredients reporting (1 point) 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	INGREDIENTS AND EMISSIONS HPD® version 2.3 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 Composite Wood category, 100% of composite wood not covered by other categories must meet the Composite Wood Evaluation.	Contribute	INGREDIENTS AND EMISSIONS 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.







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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	Certified Tropical Wood 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.	Contribute	ATTRIBUTES The product does not contain any tropical wood.
MR	Environmentally preferable products Option 2: Environmentally preferable products (1 point) The product contains at least 25% postconsumer or 50% preconsumer content. Wood products must be Forest Stewardship Council (FSC) Certified, or USGBC-approved equivalent.	Contribute	ATTRIBUTES Recycled Content: Pre-consumer: 74.7% - 76.8% FSC®- Certified (100%) (When specified)
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
EQ	Low-Emitting Materials (0.5-3 points) 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. 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).	Does not contribute	INGREDIENTS AND EMISSIONS 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.

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.

