

ENVIRONMENTAL DATA SHEET



PANEL WITH POLYURETHANE **CORE**

The Norbec panel is a High-efficiency insulated panel Intended for manufacture of walk-in coolers or and freezers. The Norbec panels offers many different applications such as cold storage, processing plants, labs, controlled atmosphere rooms and more.

All combinations are possible.

VALIDATED ECO-DECLARATION

PRODUCT SPECIFICATIONS

References

Norbec® panel

Biobased materials

Final manufacturing location Saint-Hyacinthe, QC J2S 8A2 CANADA Composition Pre-painted galvanized steel, polyurethane foam, sealants. **ATTRIBUTES** Recycled content Pre-consumer: 8.1% - 12.7% Post-consumer: 11.2% - 19.3% Sourcing of raw materials Data collection from suppliers has been conducted for the products components aligned with each specific environmental analysis. **Certified Wood** Rapidly renewable materials

ENVIRONMENTAL IMP	ACTS			
Life Cycle Assessment	Under renewal			
Reference service life	-			
Product's carbon footprint				
Environmental Product Dec Product specific, Type III ISO 14025:2006	laration Under renewal			
INGREDIENTS AND EMISSIONS				
Declaration of chemical ingredients	1,000 ppm			
Troditir T	HPD® version 2.3 oduct Declaration® to September 2028			
Health Pr	oduct Declaration®			

FECHNICAL PERFORMANCES Performance tests CAN/ULC S102, NSF/AINSI 7, S138, 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

For over 35 years, the Norbec Group has been offering innovative, value-added solutions to its customers' needs. With the introduction in 2008 of the Norex® and Noroc® lines, Norbec Architectural now offers a complete range of solutions for building envelopes that combine advances in insulation with construction expertise.

Formaldehyde

Master Format: 07 41 23/26

and 13 21 23/26

Validated Eco-Declaration: VED17-1061-04

Original issue date: 2012/11





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NORBEC® PANEL



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.

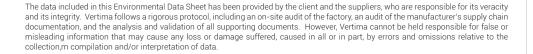
LEED® v4 requirements for Interior Design + Construction (ID+C)

Commercial Interiors, Retail and Hospitality.

MATERIALS AND RESOURCES		PRODUCT CONTRIBUTIONS	
MR	Building Product Disclosure and Optimization — Environmental Product Declaration (EPD) Option 1: Environmental Product Declaration (1 point) The product contributes to this credit due to the availability of a product specific EPD (Type III) and is valued as 1 whole product out of the 20 needed for the purposes of credit achievement.	EPD under renewal	ENVIRONMENTAL IMPACTS Product-specific EPD Type III EPD compliant to ISO 14025:2006
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: 8.1% - 12.7% Post-consumer: 11.2% - 19.3%
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 a Health Product Declaration® 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 2.3 Health Product Declaration®

INDO	INDOOR ENVIRONMENTAL QUALITY PRO		PRODUCT CONTRIBUTIONS
EQ	Low-Emitting Materials Option 1: Product category calculation (1-3 points) The number of points depends on the LEED® rating system chosen and the number of compliant categories. For the Ceilings, Walls, Thermal, and Acoustic Insulation category, 100 % of ceilings, walls, thermal, and acoustic insulation must meet the general emissions evaluation. Additional conditions apply for healthcare and schools. Batt insulation products may contain no added formaldehyde, including urea formaldehyse, phenol formaldehyde, and urea-extended phenol formaldehyde.	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) v1.2-2017. (The Norbec® architectural panel does not contain any added formaldehyde, including urea formaldehyde, phenol formaldehyde, and ureaextended phenol formaldehyde.)

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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Commercial Interiors, Retail and Hospitality.

ENERO	GY AND ATMOSPHERE		PRODUCT CONTRIBUTIONS
EA Prerequiste 2	Minimum Energy Performance Option 1: Whole-building energy simulation or at the scale of the rental space, according to the system Option 2: Prescriptive compliance: ASHRAE 50% Advanced Energy Design Guide Option 3: Prescriptive compliance: Advanced Buildings™ Core Performance™ Guide	Contribute	TECHNICAL PERFORMANCES The Norbec® architectural panel contributes to this prerequisite. Its polyurethane insulation has a thermal insulation factor of R-8 per inch of thickness.
EA	Optimize Energy Performance Option 1: Whole-building energy simulation or at the scale of the rental space, according to the system BD+C (1-20 points) and ID+C (1-25 points) Option 2: Prescriptive compliance: ASHRAE Advanced Energy Design Guide BD+C (1-6 points) and ID+C (1-16 points)	Contribute	TECHNICAL PERFORMANCES The Norbec® architectural panel contributes to this prerequisite. Its polyurethane insulation has a thermal insulation factor of R-8 per inch of thickness.

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.

