



PANEL WITH POLYURETHANE CORE

The Norbec panel is a High-efficiency insulated panel Intended for the 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	ENVIRONMENTAL IMPACTS	TECHNICAL PERFORMANCES
References Norbec® panel	Life Cycle Assessment March 2020	Performance tests CAN/ULC S102-M07, S138, ASTM E84
Final manufacturing location Saint-Hyacinthe, QC J2S 8A2 CANADA	Reference service life -	MANUFACTURER'S ENVIRONMENTAL MANAGEMENT
Composition Pre-painted galvanized steel, polyurethane foam, sealants.	Product's carbon footprint -	ISO 14001 Certification -
ATTRIBUTES	Environmental Product Declaration Product specific, Type III ISO 14025:2006 April 2020 to April 2025	Extended Product Responsibility - (Take Back Program)
Recycled content Pre-consumer: 20.5% Post-consumer: 28.9%	INGREDIENTS AND EMISSIONS	Corporate Sustainability Report - (CSR: GRI, ISO 26000, BNQ 21000 or others)
Sourcing of raw materials Data collection from suppliers has been conducted for the products components aligned with each specific environmental analysis.	Declaration of chemical ingredients 1,000 ppm	CERTIFICATION(S) & CONFORMITIES
Certified Wood -	Type of declaration HPD® version 2.2 Health Product Declaration® January 2022 to January 2025	
Rapidly renewable materials -	Emissions test -	
Biobased materials -	VOC 0 g/L - 49 g/L (Sealants applied in-house or on-site)	
	Formaldehyde -	
	Others -	

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.

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ENVIRONMENTAL DATA SHEET

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.	Contribute	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: 20.5% Post-consumer: 28.9%
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 2.2 Health Product Declaration®
INDOOR ENVIRONMENTAL QUALITY		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 formaldehyde, 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 urea-extended 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.

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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NORBEC® PANEL



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ENERGY AND ATMOSPHERE		PRODUCT CONTRIBUTIONS	
EA <small>Prerequisite 2</small>	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.

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