



PANEL WITH POLYISOCYANURATE (POLYURETHANE) CORE


Norex® architectural panels are high-energy-efficient insulated panels designed for building envelopes.

High-performance Norex® responds to more specific needs and is offered in three configurations: Norex®-L, Norex®-H, Norex®-S.

VALIDATED ECO-DECLARATION

Product's contribution to LEED® v4

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PRODUCT SPECIFICATIONS	ENVIRONMENTAL IMPACTS	PRODUCT SPECIFICATIONS
References Norex®-L, Norex®-H, Norex®-S	Life Cycle Assessment March 2020	Performance tests CAN/ULC S101, CAN/ULC S102-M07, ASTM E84, FM 4880
Final manufacturing location Saint-Hyacinthe, QC J2S 8A2 CANADA	Product's carbon footprint -	Expected life -
Composition Pre-painted galvanized steel, polyurethane foam, sealants.	Environmental Product Declaration Product specific, Type III April 2020- ISO 14025:2006 April 2025	MANUFACTURER'S ENVIRONMENTAL MANAGEMENT
ATTRIBUTES	INGREDIENTS AND EMISSIONS	ISO 14001 Certification
Recycled Content Pre-consumer: 20.2% - 20.6% Post-consumer: 32.7% - 33.2%	Declaration of chemical ingredients 1,000 ppm	-
Sourcing of raw materials The extraction locations of raw materials have been documented for 53.0% to 53.8% of the final product components, based on weight ratio.	Type of declaration HPD® version 2.0 Health Product Declaration®	Extended Producer Responsibility (Take Back Program) -
FSC® Certification N/A	Emission test -	Corporate Sustainability Report (CSR : GRI, ISO 26000, BNQ 21000 or other) -
Rapidly renewable materials N/A	VOCs 0 g/L - 49 g/L Depending on product used (Sealants applied in-house or on-site)	CERTIFICATIONS AND CONFORMITIES
Biobased materials N/A	Formaldehyde None	
	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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MasterFormat®: **07 42 43**

Validated Eco-Declaration:

VED17-1061-01

Original issue date: **2012/11**

Period of validity: **2019/09 to 2020/09**



PRODUCT CONTRIBUTION SUMMARY

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

New Construction, 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.

ENERGY AND ATMOSPHERE		PRODUCT CONTRIBUTIONS	
EA Prerequisite 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 Norex® architectural panel contributes to this prerequisite. Its polyurethane insulation has a thermal insulation factor of R-7,41 per inch of thickness.
			TECHNICAL PERFORMANCES The Norex® architectural panel contributes to this credit. Its polyurethane insulation has a thermal insulation factor of R-7,41 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 Norex® architectural panel contributes to this credit. Its polyurethane insulation has a thermal insulation factor of R-7,41 per inch of thickness.
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MATERIALS AND RESOURCES		PRODUCT CONTRIBUTIONS	
MR	Building Product Disclosure and Optimization – Sourcing of Raw Materials Option 2: Leadership extraction practices (1 point) May also contribute to the location valuation factor if the product is extracted, manufactured and purchased within 160 km of the project site.	Contribute	ATTRIBUTES Recycled Content Pre-consumer (20.2% - 20.6%) Post-consumer (32.7% - 33.2%)
			INGREDIENTS AND EMISSIONS HPD® version 2.0 Health Product Declaration®
MR	Building Product Disclosure and Optimization – Material Ingredients Option 1: Material ingredients reporting (1 point) The Norex® architectural panel contributes with his Health Product Declarations® and is valued as 1 whole product out of the 20 needed for the purposes of credit achievement calculation.	Contribute	ENVIRONMENTAL IMPACTS Product-specific EPD (Type III) compliant with ISO 14025:2006
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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, in all or in part, caused by errors and omissions relative to the data collection, compilation and/or interpretation. The analysis protocol used by Vertima is available on request.



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INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
EQ	Low-Emitting Materials Option 1: Product category calculations (1-3 points) 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.	Do not contribute ¹	INGREDIENTS AND EMISSIONS
			¹ Must be tested and determined compliant to the California Department of Public Health (CDPH) Standard Method v1.1-2010. (The Norex® 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.

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