



## 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 SPECIFICATIONS	ENVIRONMENTAL IMPACTS	TECHNICAL PERFORMANCES
<b>References</b> Norex®-L, Norex®-H, Norex®-S	<b>Life Cycle Assessment</b> March 2020	<b>Performance tests</b> CAN/ULC S101, S102, S126, S127, S134, S138, ASTM E84, FM 4880
<b>Final manufacturing location</b> Saint-Hyacinthe, QC J2S 8A2 CANADA	<b>Reference service life</b> -	<b>MANUFACTURER'S ENVIRONMENTAL MANAGEMENT</b>
<b>Composition</b> Pre-painted galvanized steel, polyurethane foam, sealants.	<b>Product's carbon footprint</b> -	
<b>ATTRIBUTES</b>	<b>Environmental Product Declaration</b> Product specific, Type III ISO 14025:2006                                      April 2020 to April 2025	<b>ISO 14001 Certification</b> -
	<b>Recycled content</b> Pre-consumer: 20.2% - 20.6% Post-consumer: 32.7% - 33.2%	<b>INGREDIENTS AND EMISSIONS</b>
<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> 1,000 ppm	<b>Corporate Sustainability Report</b> - (CSR: GRI, ISO 26000, BNQ 21000 or others)
<b>Certified Wood</b> -	<b>Type of declaration</b> HPD® version 2.2 Health Product Declaration® January 2022 to January 2025	<b>CERTIFICATION(S) &amp; CONFORMITIES</b>
<b>Rapidly renewable materials</b> -	<b>Emissions test</b> -	
<b>Biobased materials</b> -	<b>VOC</b> 0 g/L - 49 g/L Depending on product used (Sealants applied in-house or on-site)	
	<b>Formaldehyde</b> -	
	<b>Others</b> -	

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

NOREX®



## 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 – Environmental Product Declaration (EPD)</b> <b>Option 1: Environmental Product Declaration (1 point)</b> 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	<b>ENVIRONMENTAL IMPACTS</b> Product-specific EPD Type III EPD compliant to ISO 14025:2006
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: 20.2% - 20.6% Post-consumer: 32.7% - 33.2%
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 a Health Product Declaration® and is valued as 1 whole product out of the 20 needed for the purposes of credit achievement calculation.	Contribute	<b>INGREDIENTS AND EMISSIONS</b> HPD® version 2.2 Health Product Declaration®
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
EQ	<b>Low-Emitting Materials</b> <b>Option 1: Product category calculation (1-3 points)</b> 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	<b>INGREDIENTS AND EMISSIONS</b> The product was not tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method (CDPH) v1.2-2017. (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.

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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ENERGY AND ATMOSPHERE		PRODUCT CONTRIBUTIONS	
<b>EA</b> <small>Prerequisite 2</small>	<b>Minimum Energy Performance</b> 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	<b>Contribute</b>	<b>TECHNICAL PERFORMANCES</b> The Norex® architectural panel contributes to this prerequisite. Its polyurethane insulation has a thermal insulation factor of R-8 per inch of thickness.
<b>EA</b>	<b>Optimize Energy Performance</b> <b>Option 2: Leadership extraction practices (1 point)</b> 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)	<b>Contribute</b>	<b>TECHNICAL PERFORMANCES</b> The Norex® 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.

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