



PANEL WITH ROCK-WOOL CORE

The Noroc® architectural panel is a fire-rated, insulated panel designed for the construction of building envelopes.

The core comprises a noncombustible, rigid stone-fiber insulation board made from natural basalt rock and recycled slag.

VALIDATED ECO-DECLARATION

| PRODUCT SPECIFICATIONS | |
|-------------------------------------|--|
| Reference | Noroc®-L |
| Final manufacturing location | Saint-Hyacinthe, QC J2S 8A2 CANADA |
| Composition | Fire-rated insulation, pre-painted galvanized steel, sealants, adhesive. |
| ATTRIBUTES | |
| Recycled Content | Pre-consumer: 34.8% Post-consumer: 16.9% |
| Sourcing of raw materials | The extraction locations of raw materials have been documented for 51.7% of the final product components, based on weight ratio. |
| FSC® Certification | N/A |
| Rapidly renewable materials | N/A |
| Biobased materials | N/A |

| ENVIRONMENTAL IMPACTS | |
|--|---|
| Life Cycle Assessment | March 2020 |
| Product's carbon footprint | - |
| Environmental Product Declaration | Product specific, Type III ISO 14025:2006 |
| INGREDIENTS AND EMISSIONS | |
| Declaration of chemical ingredients | 1,000 ppm |
| Type of declaration | HPD® version 2.2 Health Product Declaration® January 2022 to January 2025 |
| Emission test | - |
| VOCs | 0 g/L - 49 g/L Depending on product used (Sealants applied in-house or on-site) (Adhesive factory applied) |
| Formaldehyde | None |
| Others | - |

Product's contribution to LEED® v4

| PRODUCT SPECIFICATIONS | |
|---|---|
| Performance tests | CAN/ULC S101, S102, S126, ASTM E72, ASTM E84, ASTM E119 |
| Expected life | - |
| MANUFACTURER'S ENVIRONMENTAL MANAGEMENT | |
| ISO 14001 Certification | - |
| Extended Producer Responsibility (Take Back Program) | - |
| Corporate Sustainability Report (CSR : GRI, ISO 26000, BNQ 21000 or other) | - |
| CERTIFICATIONS AND 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.

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MasterFormat®: **07 42 43**

Validated Eco-Declaration:

VED17-1061-03

Original issue date: **2012/11**

Period of validity: **2021/09 to 2022/09**

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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 Noroc® architectural panel contributes to this prerequisite. Its mineral fibers insulation has a thermal insulation factor of R-4,00 per inch of thickness. |
| | 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) | | TECHNICAL PERFORMANCES The Noroc® architectural panel contributes to this credit. Its mineral fibers insulation has a thermal insulation factor of R-4,00 per inch of thickness. |
| 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 (34.8%) Post-consumer (16.9%) |
| | Building Product Disclosure and Optimization – Material Ingredients Option 1: Material ingredients reporting (1 point) The Noroc® 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. | | INGREDIENTS AND EMISSIONS Under Renewal HPD® version 2.2 Health Product Declaration® |
| MR | Building Product Disclosure and Optimization – Environmental Product Declaration (EPD) Option 1: Environmental Product Declaration (1 point) The Norbec™'s NOROC® Insulated Metal Panels contribute to this credit due to the availability of a product-specific EPD (Type III) and are 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 |

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.



ENVIRONMENTAL DATA SHEET

NOROC®



PRODUCT CONTRIBUTION SUMMARY

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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.

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 contribute¹

INGREDIENTS AND EMISSIONS

¹Must be tested and determined compliant to the California Department of Public Health (CDPH) Standard Method v1.1-2010.
(The Noroc® architectural panel does contain added formaldehyde.)

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