



PROFIB MAT™

Profib Mat™ is a batt insulation made of hemp fiber for thermal insulation in residential and commercial buildings. It can be used to insulate ceilings, walls, floors and roofs. The batt insulation is easily installed by inserting it manually so as to fill the volume between two sections of the frame.

The Profib Mat™ batt insulation is produced using an innovative industrial process that gives it high mechanical resistance and stability that prevents subsidence in the long term.

VALIDATED ECO-DECLARATION

PRODUCT SPECIFICATIONS	ENVIRONMENTAL IMPACTS	TECHNICAL PERFORMANCES
References Profib Mat™	Life Cycle Assessment October/2020	Performance tests CAN/ULC: S703 6.3.11, S102, S774, S703 6.3.2. ASTM: C167, C303, C518, C1338, E96, S703 6.3.8, S703 6.3.12.
Final manufacturing location Val-des-Sources, QC J1T 4C1 CANADA	Reference service life 75 years <small>(According to cradle-to-grave PCR)</small>	MANUFACTURER'S ENVIRONMENTAL MANAGEMENT ISO 14001 Certification -
Composition Hemp fiber and polyester fiber.	Product's carbon footprint 0,68 kg eq co ₂	
ATTRIBUTES	Environmental Product Declaration Product-specific EPD, Type III ISO 14025:2006 March 2021 to March 2026	Extended Product Responsibility - <small>(Take Back Program)</small>
Recycled content Pre-consumer: 0% Post-consumer: 0%	INGREDIENTS AND EMISSIONS	Corporate Sustainability Report - <small>(CSR: GRI, ISO 26000, BNQ 21000 or others)</small>
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 100 ppm	CERTIFICATION(S) & CONFORMITIES
Certified Wood -	Type of declaration HPD® version 2.2 Health Product Declaration® June 2021 to June 2024	
Rapidly renewable materials Hemp fiber	Emissions test S774, HHRA, CDPH	
Biobased materials (ECOCERT) certified organic hemp	VOC -	
	Formaldehyde -	

First manufacturer in North America of high energy efficiency Profib Mat™ hemp fiber and wood fiber batt insulation for the construction market and the cold storage market for food and pharmaceutical products.

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www.naturefibres.com

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ENVIRONMENTAL DATA SHEET

PROFIB MAT™



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 Type III EPD 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 compliant to ISO 14025:2006
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 Health Product Declarations® 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) Number of points is dependent on the LEED® rating system 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. For Healthcare and Schools, batt-insulation must also comply with additional formaldehyde requirements.	Contribute	INGREDIENTS AND EMISSIONS The product was tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method (CDPH) v1.2-2017.

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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