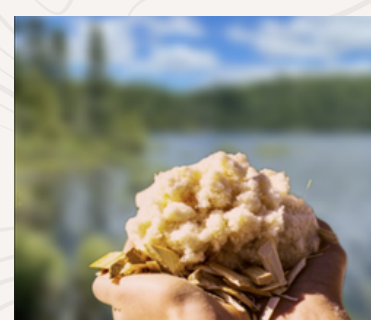


TECHNICAL DATA SHEET

Profib Cell™

Natural thermal and acoustic cellulose insulation

Product of Quebec



DESCRIPTION

Profib Cell is an odour- and contaminant-free thermal and acoustic insulation made only of wood fibres from FSC (Forest Stewardship Council) certified forests.

Profib Cell offers a ratio of thermal isolation versus the amount of product used that is higher than the competition.

Profib Cell offers a flame retardant, antifungal and anti-corrosive chemical formulation optimized for permanent durability and having the lowest toxicity on the market.

USE AND INSTALLATION

Profib Cell is installed with a cellulose insulation blower in attics, ceilings, floors and walls.

Refer to the installation guide for specific instructions.

It is recommended that you hire a professional for the installation.

PRODUCT COMPOSITION

Physical Condition: Fibrous Solid

Color: White to Yellow

Density: 29.5 kg/m³

Mass content: >86% recycled wood fibres
< 14% flame retardant

Settlement factor: less than 12%

Weight of a bag: 11.3 kg (25 lbs) ± 5%

OTHER FEATURES

- SAA and NRC acoustic insulation coefficients > 0.75 making it an "extremely" absorbent material (ASTM C423)
- Global warming potential:
0.2 kg CO₂ eq (1m²: 1 RSI)
- Natural insulation: non-abrasive and non-toxic
- Humidity regulation
- R-value of 3.7 per inch and exceptional thermal performance stability in extreme weather conditions
- Increased summer comfort due to the superior thermal phase shift (ability to slow down heat transfer to the interior)
- Contributes to green and sustainable building credits such as LEED



HANDLING AND STORAGE

It is recommended that the bags be stored away from the weather to avoid contact with water and the sun. If the pallet is stored outdoors, it is important to cover it with an opaque UVI protective cover to protect the bags from UV rays.

PERFORMANCE

MEETS CAN/ULC-S703-09 (R-2020) STANDARD

Properties	Standard	Requirement	Profib Cell
Thermal Resistivity ((m.K)/W)	ASTM C1777 ASTM C518	18,5 (minimum)	25,7 (passed)
Open flame flammability (W/cm ²)	CAN/ULC-S703	0,12 (minimum)	0,21 (passed)
Corrosivity	ASTM B209 ASTM B152 ASTM G1-90	No perforation	No perforation
Water vapor sorption (%)	CAN/ULC-S703	20% (maximum)	9,65% (passed)
Fungi resistance	ASTM E605	Growth below control	No growth (passed)
Permanence of open flame flammability (W/cm ²)	CAN/ULC-S703	0,12 (minimum)	0,20 (passed)
Separation of chemicals (%)	CAN/ULC-S703	1,5% (maximum)	0.009% (passed)
Resistance to slow combustion (%)	CAN/ULC-S130	15% (maximum loss)	1.22% (passed)
Density (kg/m ³)	CAN/ULC-S703	As determined	29,5 (passed)

SECURITY

It is recommended to wear an N95 mask when applying in restricted areas such as attics.

If incommodation by inhalation, bring the person to a ventilated area.

In case of contact with eyes, rinse with plenty of water for at least 15 minutes. If the problem persists, consult a doctor.

Make sure you have the MSDS sheet available at all times.

Available on our website: naturefibres.com

LIABILITY

A period of 15 days is allowed to inspect the product and notify in writing of any problems with the product. In the event of a justified complaint, only the product is subject to replacement. The manufacturer's liability may not, for any reason, exceed the price paid by the buyer.

Contact us for more information

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