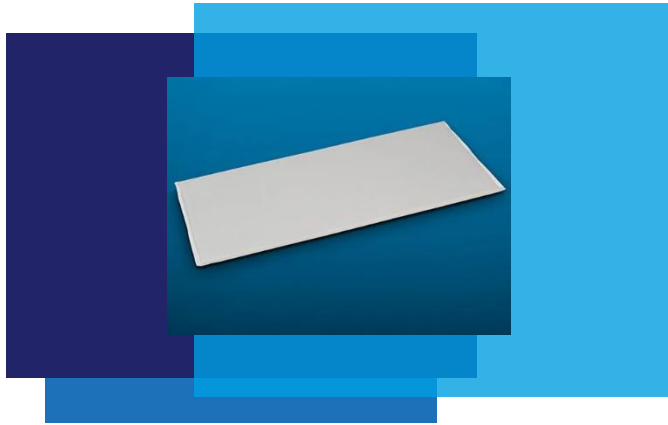


ENVIRONMENTAL PRODUCT DECLARATION SUMMARY

PROMALIGHT®1000X



Product description

PROMALIGHT®1000X is a lightweight microporous insulation board. The formulation is an opacified blend of filament reinforced pyrogenic silica with silicon carbide as opacifier. The PROMALIGHT® range of products is available as naked boards, or with PE foil or Aluminum covering. The EPD is based on the naked boards, and the impact or the PE and alu foil have been added as Annex to the EPD.

Declared/Functional Unit

Results below are related to the production of 1m² (thickness 25mm) of PROMALIGHT®1000X microporous insulation panel. The mass of the declared unit is 6.87kg. Assuming proportionality between the density/thickness/mass of the board and its environmental impact, the results for boards with different densities and/or thicknesses can be obtained by multiplying the EPD results with the product's weight and dividing by 6.87.

Some products contain aluminum or PE foil. The impact of these foils is added as an Annex to the EPD. Note that the additional amount of foil covering the side of the boards for larger thicknesses is not significant compared to the amount of foil to cover the bottom and the top side of the board. Therefore, the cover foil can be considered to be independent of the thickness and the density.

EPD Program operator	Institut Bauen und Umwelt e.V. (IBU)	LCI Database/ Calculation date	Ecoinvent 3.9.1 and Industry 2.0
EPD registration no.	EPD-ETE-20240055-IBA1-EN	Geographical scope	Europe
Validity period	19/12/2024-18/12/2029	Manufacturing location	Sint-Niklaas, Belgium
Followed standards	ISO 14025 & EN15804+A2	Reference year	2021

KEY ASSESSMENT RESULTS

CARBON FOOTPRINT	Total Global Warming Potential (GWP) including fossil, biogenic and luluc GWP
Product - Cradle to gate [A1–A3] ⁽¹⁾	23.1 kgCO ₂ -Eq./m ²
Embodied Carbon - Cradle to Grave, Modules [A1-A5 ⁽²⁾ , B1-B5 and C1-C4 ⁽³⁾]	24.04 kgCO ₂ -Eq./m ²

(1) : The manufacturing site uses 100% green electricity (hydropower) as the only energy source during manufacturing.

(2) : Note that only packaging waste is included in module A5.

(3) : 'Landfilling' was assumed as the End of Life scenario.

Product			Construction		Building maintenance and use - B							Building End of Life - C			
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
Raw Material	RM Transport to Factory	Manufacture products	Transport to site	Construction of the building	Use	Maintenance	Repair	Replacement	Refurbishment	Energy use for Building usage	Water Use for Building usage	Demolishing the building	Haul away waste materials	Recycling	Disposal
Embodied carbon											Embodied carbon				