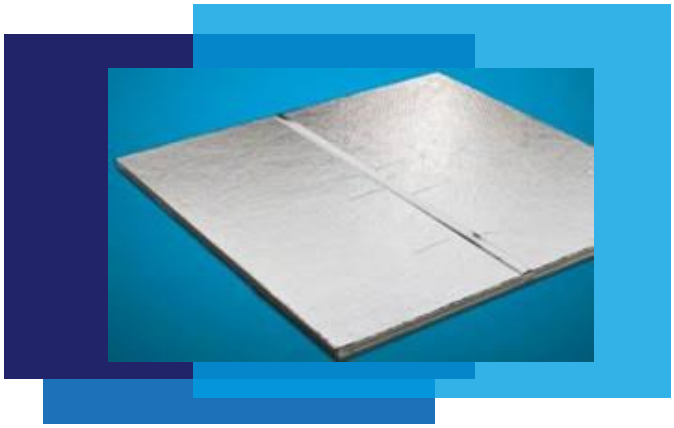
Promat

ENVIRONMENTAL PRODUCT DECLARATION SUMMARY

PROMAT ULTIMA® VIP



Product description

Ultima® VIP is a high-performance **vacuum insulation panel** used in different applications mainly for buildings, refrigerators, and hot water boilers.

Declared/Functional Unit

Results below are related to **1m², 20mm** thickness of vacuum insulation with thermal conductivity of **0.0045 W/mK** in the centre of the panel.

EPD Programme operator	IBU (Institut Bauen und Umwelt e.V)
EPD registration no.	EPD-ETE-20230095-IBA2-EN
Validity period	14/06/2023-13/06/2028
Followed standards for LCA/EPD	ISO 14025 & EN15804+A2:2019

LCI Database/ Calculation date	Ecoinvent 3.8
Geographical scope	Europe
Manufacturing location	Sint-Niklaas, Belgium
Reference year of production data	2021

Key Assessment Results

CARBON FOOTPRINT	Total Global Warming Potential (GWP) including fossil, biogenic and luluc GWP
Cradle to gate* [A1–A3]	17.80** $kgCO_2$–Eq./m²
Cradle to gate, with options [A1–A3, C1–C4***]	17.87 $kgCO_2$–Eq./m²

* Cradle to gate includes the following life cycle stages:

Module A1 – Production of raw materials

Module A2 – Transport of raw materials to manufacturing site

Module A3 – Production of final product

** Microtherm uses 100% green electricity as the main energy source during the manufacturing of Ultima® VIP.

*** Modules C1–C4 include the impact at the end-of-life stage of the product, including Deconstruction/demolition, Transportation, Waste processing and Disposal.

For the full EPD, visit: Veröffentlichte EPDs | Institut Bauen und Umwelt e.V. (ibu-epd.com)

For additional product information, visit: Promat Promat ULTIMA® VIP - Promat