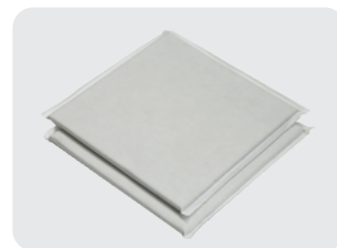


Introduction

TT core eco is a microporous insulation panel with a cambered edge designed for use in Vacuum Insulation Panels (VIPs). TT core eco can be produced at very low densities, which enables it to achieve even lower thermal conductivities than a standard VIP ($<4 \text{ mW/m K}$). The external non-woven fabric provides a dust-proof yet air-permeable cover around the microporous core. As a result, the product can be directly incorporated into your manufacturing process before drying and vacuuming.



Technical Data

Thermal Conductivity

at atmospheric pressure and room temperature	20 mW/m K
at a pressure of 1 mbar and a density of 160 kg/m^3	app. 4 mW/m K, lower values are possible on request
tolerances	$\pm 5\%$, depending on recipe, higher or lower values are possible

Other Technical Parameters

application temperature	120 °C / 248 °F
density (referring to the density of the whole board. Within the board deviations occur)	100 - 170 kg/m ³
microporous core colour	grey

Available Sizes

dimensions	200 x 300 mm, 1900 x 800 mm, more sizes on request
thickness	4-50 mm, more sizes on request
tolerances	can be defined according to customer requirements

Technical Limitation

Water and other liquids will irreversibly destroy the microporous structure and as a result the insulation performance of the material.

Declaration of Non-hazardousness

According to the regulation of the European union 2006/1907/EC this material is classified as non-hazardous. The used fibers are not respirable as defined by WHO.



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