

POROTHERM 850M (blanket)

Technical specification

Application temperature	°C	700 (max.)
Densities	kg/m ³	200
Thermal conductivity (at a medium temperature W/mK)	200 °C	0.023
	400 °C	0.025
	600 °C	0.035
Shrinkage at 600 °C	%	0.3
Cold compressional strength	N/cm ²	1.3
Specific heat capacity	KJ/kg K	0.8
Compression (at 1 bar)	%	3.7
Formats (boards)	Length (mm)	1400
	Width (mm)	1000
	Thickness (mm)	5, 10
Rolls		up to 80m in length
Colour		maroon

POROTHERM 850M is a microporous thermal insulating flexible material with extremely low thermal conductivity figures, i.e. with very good thermal insulating properties.

POROTHERM 850M can be used wherever a highly efficient but thin boundary between hot and cold is required. This is becoming increasingly relevant for insulation in refrigeration equipment too.

Application field:

Machinery, plant and industrial furnace construction, replacement for asbestos, electrical insulation, glass industry, house engineering, microwave devices, vacuum insulation, etc.

- (1) We are able to supply special formats and special thicknesses on request. We will be pleased to manufacture stampings, milled parts or cuttings according to your drawings.
- (2) The classification temperature is not to be equated with the maximum application temperature, in particular when physical conditions such as tensile or pressure loads are involved. For applications as high-temperature insulation, lower temperatures must always be applied. In these cases, our Engineering department will offer assistance and support.
- (3) Heat transmission calculations for this material can be requested from our Engineering department.

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