

VARIOTHERM 850 – 1000

Technical specification

Product		V850	V1000
Application temperature	°C	800	1000
Maximum utilisation temperature (briefly)	°C	850	1200
Density (kg/m ³)	°C	70 – 180	70 – 130
Thermal conductivity (at a medium temperature W/mK) DIN 52612	200 °C	0.060	0.059
	400 °C	0.100	0.098
	600 °C	0.197	0.186
	800 °C	0.255	0.251
Fibre diameter (DIN 1888)	µm	14 – 18	9
Standard dimensions (rolls) Roll length in m ⁽¹⁾	Length	5 – 30	10, 15, 20, 25
	Width	1000	1000
	Thickness	10, 12, 15, 20, 25	6, 10, 12, 15, 20, 25
	Org. binder (%)	0	0
Behaviour in fire		non-combustible	
Colour		white	white
Packaging		PE film sack	

Binding agent free silicate needle mat made of silex stack fibres blanket, with a SiO₂ - content > 94 %.

Physiologically harmless by virtue of the defined fibre diameter of 9 ± 1 µm.

Application:

For thermal insulation and sound absorption in the high temperature range for automotive applications as well as plant and furnace construction

- (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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