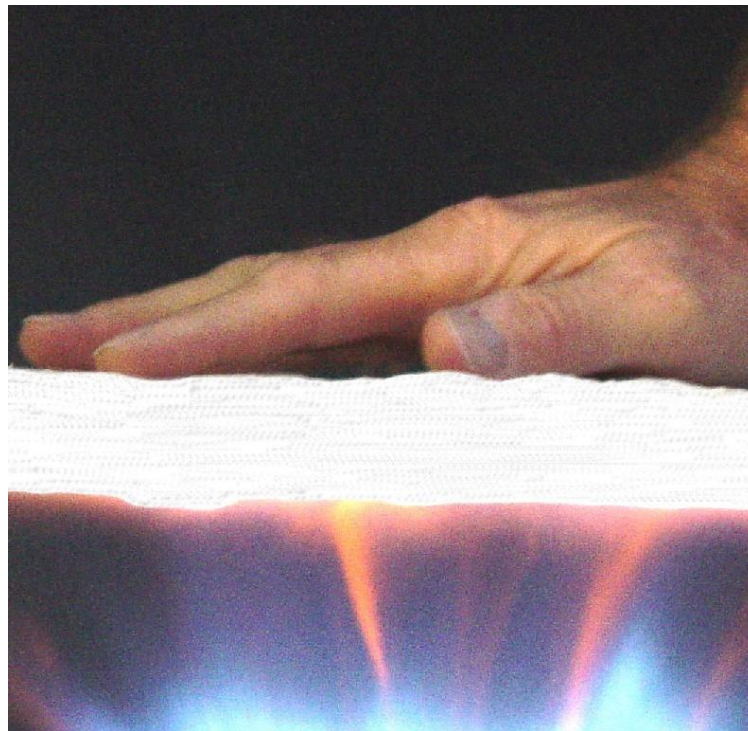




Superwool



Needlemat up to 1150 °C

- Free of binder or lubricant
- Thermal stability
- Excellent thermal insulating properties
- Good sound absorption
- Free from carcinogenic contents



Superwool

Superwool is needed at both sides and possesses high strength, before and after heating. Superwool Blanket contains neither binder nor lubricant, and does not emit any fume or smell during the first firing. It is flexible, easy to cut and shape and easy to install. Superwool is ideally suited to industrial applications at temperatures up to 1150°C. The maximum continuous use temperature depends on the application.

Specifications

High temperature performance:

Maximum continuous use temperature Superwool® Plus Blanket 1000 °C
Maximum continuous use temperature Superwool® HT™ Blanket 1150 °C

Properties measured at ambient conditions (23 °C and 50% RH):

Colour White
Density 64 up to 160 Kg/m³

Tensile strength (ENV 1094-7):

Density **Tensile strength**
96 kg/ m³ 50 kPa
128 kg/ m³ 75 kPa

Thermal conductivity (ASTM C-201): Superwool® Plus Blanket

W/ m·K (BTU·in/hr/ft ² /°F)	96 kg/ m³ (6 lbs/ ft ³)	128 kg/ m³ (8 lbs/ ft ³)
Mean temperature 200°C (392°F)	0,05 (0,35)	0,05 (0,33)
Mean temperature 400°C (752°F)	0,09 (0,62)	0,08 (0,55)
Mean temperature 600°C (1112°F)	0,14 (0,97)	0,12 (0,83)
Mean temperature 800°C (1472°F)	0,21 (1,46)	0,18 (1,25)
Mean temperature 1000°C (1832°F)	0,29 (2,01)	0,25 (1,73)

Thermal conductivity (ASTM C-201): Superwool® HT™ Blanket

Thermal conductivity	W/ m·K	96 kg/ m³	128 kg/ m³
Mean temperature 200°C		0,05	0,04
Mean temperature 400°C		0,10	0,08
Mean temperature 600°C		0,19	0,14
Mean temperature 800°C		0,32	0,23
Mean temperature 1000°C		0,48	0,34
Mean temperature 1200°C		0,69	0,48

Chemical composition:

Superwool is exonerated from any carcinogenic classification under nota Q of directive 97/69 EC.

Availability and packaging:

Superwool Blankets are packed in cartons, and dispatched on a 1260 x 940mm pallet sealed with stretchable film.

Thickness mm	Density Kg/ m³	Roll length mm	Roll width mm	Surface
25	96	7320	610	4,46 m ²
25	128	7320	610	4,46 m ²

Thickness 6, 10, 13, 19, 38, 50 mm and Aluminium foil finish on request.