



Blankets

	Superwool HT Blanket	Superwool Plus Blanket	Cerablanket	Cerachem Blanket	Maftec Blanket
Classification Temperature, °C	1300	1200	1260	1425	1600
Colour	white	white	white	white	white
Density, kg/m ³	96, 128, 160	64, 96, 128	64, 96, 128, 160	64, 96, 128, 160	96, 128
Tensile Strength (EN 1094-1), kPa					
64 kg/m ³	30	-	30	30	-
96 kg/m ³	50	-	70	70	93
128 kg/m ³	75	75	90	90	103
160 kg/m ³	95	-	110	110	-
Permanent Linear Shrinkage after 24 hours (EN 1094-1), %					
1000°C	-	-	1,5	-	-
1100°C	-	-	2,2	-	-
1200°C	-	<4	3,0	1,0	-
1260°C	<2	-	-	-	-
1300°C	-	-	5,5	2,0	0,3
1400°C	-	-	-	3,5	0,8
1500°C	-	-	-	-	0,9
1600°C	-	-	-	-	1,0
Thermal Conductivity (ASTM C-201), W/m.K	96 kg/m ³ 128 kg/m ³	64 kg/m ³ 96 kg/m ³ 128 kg/m ³	64 kg/m ³	96 kg/m ³ 128 kg/m ³	96 kg/m ³ 128 kg/m ³
200°C	0,05 0,04	0,06 0,05 0,05	0,07	0,06 0,06	- -
400°C	0,10 0,08	0,10 0,09 0,08	0,12	0,11 0,10	0,08 0,08
500°C	- -	- - -	-	- -	0,10 0,09
600°C	0,19 0,14	0,17 0,14 0,12	0,20	0,16 0,15	0,13 0,12
700°C	- -	- - -	-	- -	0,17 0,14
800°C	0,32 0,23	0,26 0,21 0,18	0,30	0,23 0,20	0,19 0,17
900°C	- -	- - -	-	- -	0,23 0,20
1000°C	0,48 0,34	0,38 0,29 0,25	0,43	0,32 0,27	0,27 0,24
1200°C	0,69 0,48	- - -	-	- -	0,39 0,33
1400°C	- -	- - -	-	- -	0,58 0,48
Specific Heat Capacity at 1090°C, kJ/kg.K	-	-	1,13	1,13	1,25
Chemical Composition, %					
SiO ₂	70-80	62-68	56	50	28
Al ₂ O ₃	-	-	44	35	72
CaO	18-25	26-32	0,05	0,09	-
MgO	-	3-7	-	15	-
ZrO ₂	-	-	-	0,10	-
Others	<3	<1	0,10	-	0,16
Standard Sizes, mm	5500x610x6, 18500x610x10, 14640x610x13, 9760x610x19, 7320x610x25, 4880x610x38, 3660x610x50				7200x620x13/25

Manufacturer

Morgan Thermal Ceramics

Superwool Blankets are made of long Superwool Fibres. They are available in a wide range of thicknesses and densities.

Exonerated from any carcinogenic classification under nota Q of directive 97/69 EC.

Classification Temperature: 1200-1300°C

Cerablanket and Cerachem Blanket are made from refractory fibres.

Maftec Blanket is made from pure mullite fibre only.

The wide range of available densities and thicknesses allow for the most effective deployment of the superior thermal characteristics in a wide variety of applications.

Classification Temperature: 1260-1425-1600°C