Cerawool® Blankets

Product Data Sheet

Product Description

Cerawool Blankets feature good thermal and physical properties. Cerawool Blankets are available in a wide variety of densities and thicknesses.

These blankets are made from long refractory fibers, and are binder free.

Cerawool Blankets are resistant to most types of chemical attack. They are lightweight, strong and feature a low heat storage capacity for effective energy savings and excellent thermal shock resistance for use in difficult environments.

Features

- Excellent insulating performance
- Excellent thermal stability: fibres have good resistance to devitrification
- Low heat storage
- Tough, resilient and strong blankets, which resist tearing both before and after heating
- Resistance to thermal shock
- Good acoustic properties
- No smoke emission due to binder burn out

Applications

- Power generation, especially HRSG duct insulation
- Industrial and Commercial Chimney insulation
- Furnace, Boiler and Heater linings
- Pipe wrap
- Back-up linings in kilns and furnaces
- Consumer goods
- Storage heater insulation
- Metals applications like launder covers
- Welding stress relief

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Properties	Cerawool Blankets
Region of Manufacture	Asia
Colour	White
Continuous Use Temperature, °C (°F)	1100 (2012)
Classification Temperature, °C (°F), EN 1094-1 (2008)	1200 (2192)
Melting Temperature, °C (°F)	1500 (2732)
Density, kg/m^3 (pcf)	96, 128, 160, 190 (6, 8, 10, 12)
Tensile Strength, kPa (psi), EN 1094-1	
Measured Blanket density, kg/m^3 (pcf)	
64 (4)	19.61 (2.75)
96 (6)	29.41 (4.20)
128 (8)	44.12 (6.38)
160 (10)	58.83 (8.56)
190 (12)	68.64 (10.01)
Chemical Analysis, %	
Alumina, Al_2O_3	37-41
Silica, SiO_2	57-61
Ferrous Oxide, Fe_2O_3	≤1.2

Thermal Conductivity, W/m•K, ASTM C201	Cerawool Blankets	
Density, kg/m^3	96	128
200°C	0.06	0.05
400°C	0.08	0.07
600°C	0.12	0.11
800°C	0.18	0.17
1000°C	0.26	0.25

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