ThermalRed 1260

Premium Ceramic Fibre Blanket

Thermal Red premium Ceramic fibre Blanket is a double needled blanket especially manufacturing for Industrial high temparature applications, containing no binding agent and maintaining good tensile strength, available in 1260°C and 1425°C in various Thickness and Density Combinations.

Features

- Double needled blanket
- Low thermal conductivity
- Excellent insulation properties
- Excellent tensile strength
- Excellent chemical stability
- Low weight comparatively other refractory material
- Resistant to thermal shock
- Flexible and easy to cut and install
- Good sound absorption

Applications

- Industrial Furnace, Kiln and Own.
- Back and wall lining material.
- Furnace expansion joints, door, roof heat insulation seal.
- High temperature pipe insulation material.
- Pipe covering insulation of commercial dryers and covers
- Heat treating and annealing furnaces
- Furnace door linings, seals and hot face repairs
- Reusable turbine covers
- Veneer over existing refractory

Technical Index

Specifications	ThermalRed 1260°C	ThermalRed 1425°C
Melting Point (°C)	1780 °C	1780 °C
Maximum Continuos Use Temperature °C	1050 °C	1200 °C
Colour	White	White
Fiber Diameter (µm) (Micron)	2.7 ~ 3.6	2.7 ~ 3.6
Linear Shrinkage (%) after 24 hours soak		
at 1100°C	2.5 Max	2.5 Max
at 1200°C	3.0 Max	3.0 Max
Thermal Conductivity (W/mk) at below Mean Temperature		
at 600°C	0.15	0.12
at 1000°C	0.28	0.24
Tensile Strength (kPa)		
(25 mm thick, 96 kg/m³)	50 Min.	50 Min.
(25 mm thick, 128 kg/m³)	65 Min.	65 Min.

Chemical Composition

Matirial	ThermalRed 1260°C	ThermalRed 1425°C
Al_2O_3	43-46	35-37
SiO_2	54-57	47-49
ZrO_2	------	14-18
Fe_2O_3	< 0.12	< 0.12
Other	Traces	Traces

Availability

Thikness (mm)	Density Kg/m³ 64	96	128	160	Roll Size Width (mm)	Roll Size Length (mm)
13	×	✓	✓	✓	610	610x7200
25	✓	✓	✓	✓	610	610x7200
38	✓	✓	✓	✓	610	610x5000
50	✓	✓	✓	✓	610	610x3600

- Other sizes available on request subject to minimum order requirements