RAMADHA CENTER INDUSTRIES FZ-LLC

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RAMADHA 7700 CERAMIC FIBER BLANKET

Our Ceramic Fiber blankets are manufactured by bulk fibers prepared using latest spinning process in india. it is needled blanket made from our ceramic bulk fiber which cam withstand temperature up to 1400 c degree (depends on different quality grades). The blanket is light weight, flexible, and available in a wide variety of thickness, widths and densities.

CHARACTERISTICS

- 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	RT-1260°C (2300°F)	HTZ-1425°C (2600°F)
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.

Availability

Thikness (mm)	Density Kg/m³ 64	96	128	160	Roll Size Width (mm)	Roll Size Length (mm)
13					610	610x7620
25					610	610x7300 or 7620
38					610	610x5000
50					610	610x3650 or 3810

Chemical Composition

Matirial	RT-1260°C (2300°F)	HTZ-1425°C (2600°F)
Al2O3	43-46	35-37
SiO2	54-57	47-49
ZrO2	------	14-18
Fe2O3	< 0.12	< 0.12
Other	Traces	Traces

Note : All data represents typical result of standard tests conducted under controlled conditions. As such, the information is intended only as a general guide for specifications and design estimates.