



SHETH INSULATIONS PVT. LTD.

Dealers & Contractor in Thermal Insulation & Waterproofing Materials

Your Energy Saving Partner



Ceramic Fiber Blankets:

Standard ceramic fibers are made from inorganic materials, primarily Alumina, Silica & Zirconia, with long refractory fiber, which are binder free and are needled leading to very high thermo stability and due to unique physical and refractory properties it will be used in high temperature application. Under normal circumstances ceramic fiber can be applied at 1260 Deg C. It has very low thermal Conductivity.

Characteristics :

Densities (Kg/M ³)	64/ 96 /128
Dimensions	0.610 Mts W & 7.3 Mts L
Thicknesses in (mm)	12, 25, 38, 50
TEMPERATURE RANGE	1260 Deg C / 1425 Deg C
Resistant to Chemical	Resist to chemical attack except by Hydrofluoric and phosphoric acids

PROPERTIES	VALUE			REMARKS
Appearance / Visual	White / Passes			
Density (Kg/M ³)	(1) 128	(2) 96	(3) 64	Within Permissible Tolerances
Thickness (mm)	(1) 25	(2) 25	(3) 25	
Width (mm)	(1) 610	(2) 610	(3) 610	
Length (mm)	(1) 7300	(2) 7300	(3) 7300	
Average Fiber Diameter (Microns)	2.6 To 3.5			
Thermal Conductivity (W/mk) Mean Temperature 600°C	(1) 0.15	(2) 0.16	(3) 0.18	
Tensile Strength (KPA)	(1) 65 Min.	(2) 50 Min.	(3) N. A.	
Short Content (%)	9 To 15			
Linear Shrinkage at 1200° (24 hours)	2.5% to 3%			



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CHEMICAL ANALYSIS (%)	
Al ₂ O ₃	44.50 To 48.00
SiO ₂	52.00 To 55.50
Fe ₂ O ₃	< 0.1
TiO ₂	< 0.3

Application:

- Reformer / Heater / Furnace / Kiln lining, Coke Ovens, Expansion Gap
- Thermal Barrier for Automotive industry
- Boiler / Ducts / Pipeline, Steam & Gas Turbine Insulations

Advantages :

- Very thin and effective Insulation
- Low heat storage due to low density
- In furnaces its heating and cooling time is faster causes higher productivity and fuel saving.
- Due to its light weight, furnace structure is also much lighter and cost effective
- Easy to Installation
- Having good acoustic property
- Ceramic Fiber is chemically inert and having very low chloride content
- Leachable chloride less than 10 ppm