



VULCANITE™



PROTHERM™

**Extreme Heat Environments
Ceramic Fiber Blanket**



Overview

The Aluminum Silicate which is also called ceramic fiber blanket are manufactured from corresponding ceramic fibers (COM, ST, HP, HA, HZ).

Utilizing high output blowing and spun techniques these products offersuperior insulating performance, flexibility and resilience.



Benefits & Uses

- Heat treatment and annealing furnaces
- Furnace door linings and seals
- Furnace hot face repairs
- Reheating furnace and ladle covers
- Reformer and pyrolysis lining
- Tube seals,gaskets and expansion joints
- High temperature pipe, Duct and turbine insulation
- Boiler insulation
- Boiler doors
- Reusable turbine covers
- Expansion seals/pipe coverings
- Insulation of commercial dryers and ovens
- Veneer over existing refractory
- Stress relieving insulation
- Glass furnace crown insulation
- Fire protection
- Crude oil heater linings

Specifications Range

Item	Unit	Index
Density	kg/m ³	96
Thickness	m	25/50
Width	m	0.61
Length	m	7.32/3.6



Technical Parameters

Description		Standard
Classification Temperature (°C)		1260
Working Temperature (°C)		1050
Color		white
Density (kg/m ³)		60-128
Shrinkage (%) of heating 24 hours		-3
(as density 128 kg/m ³)		(1000°C)
Thermal conductivity		0.09(400°C)
(w/m.k)(Density 128 kgs/ m ³)		0.16(800°C)
Tensile strength (MPa)		
(density as 128kg/m ³)		0.04
Chemical composition(%)	AL2O3	46
	AL2O3 & SIO2	97
	AL2O3 & SIO2 & ZrO2	-
	ZrO2	-
	Fe2O3	<1.0
	Na2O & K2O	≤0.5

NRC value:

Note: The technical data sheets are based on tests performed in the Laboratory. Nothing herein to be construed as a warranty or representation and we recommend that all potential users of the product make their own actual tests prior to using it on an industrial scale.

