

CERAMIC FIBER BLANKET



ShreeCera blanket is a light weight needled blanket, provides effective solution to a wide range of thermal insulation applications. Manufactured using state of the art spinning and double needling technique, these blankets offer low thermal conductivity and superior insulation performance. *ShreeCera blanket* is made from high purity alumina, silica and

Zirconia. It is a highly efficient insulator with extremely low shrinkage characteristics. *ShreeCera blanket* is unaffected by most chemical reactions (except hydrofluoric & phosphoric acids and concentrated alkalis). It is completely inorganic and hence no fumes during initial heating or later heat-ups. In case of wetting by steam, water or other liquids, it retains its thermal and physical properties after drying. It is recommended for dry wrapping of structural steel and variety of other passive fire protection applications. It is available in various chemical compositions, density and thickness combinations.

STANDARD DIMENSION

Length & Width

7620 x 610, 3810 x 610

Thickness (mm)

6 to 50 mm

TEMPERATURE CLASSIFICATION

1260°C Regular Temp

1425°C High Temp

APPLICATION

Turbine Insulation

Expansion joints & tube seals

Ovens and stack linings

Boiler insulation

Fire Retardant

High temperature duct, pipe insulation

Heat treatment furnaces, soaking pit cover sealing

Exhaust duct and Air pre-heater insulation

PROPERTIES

TYPE	GRADE (°C)	DENSITY (Kg/m ³)	MEAN FIBER DIA MICRON	K VALUE (W/Mk) AT 500 MEAN TEMP
CF BLANKET	1260 / 1425	64	2 - 4	0.15
CF BLANKET	1260 / 1425	96	2 - 4	0.14
CF BLANKET	1260 / 1425	128	2 - 4	0.12

SHREE CERAMIC FIBERS PVT.LTD

Ceramic Blanket Data Sheet



TYPE	GRADE	DENSITY	TENSILE STRENGTH	SHOT CONTENT
	(°C)	(Kg/m ³)	(Kg/cm ²)	%
CF BLANKET	1260 / 1425	64	0.15	< 20
CF BLANKET	1260 / 1425	96	0.25	< 20
CF BLANKET	1260 / 1425	128	0.40	< 20

TYPE	GRADE	CHEMICAL ANALYSIS (%)				LINEAR SHRINKAGE (%)
	(°C)	SiO ₂	Al ₂ O ₃	ZrO ₂	Fe ₂ O ₃	AT 1200 DEG C
CF BLANKET	1260	49 – 58	41 - 48	0 - 7	< 0.1	< 3.5
CF BLANKET	1425	44 - 48	29 - 37	13 - 18	< 0.1	< 4.0

Properties confirms as per IS 15402 / ASTM C 892

