

# SHREE CERAMIC FIBERS PVT.LTD

## Board Data Sheet



### CERAMIC FIBER BOARDS

---



**ShreeCera** vacuum formed ceramic Board and shapes are rigid products made from Ceramic Fiber which is mixed with organic and inorganic binders with or without mineral fillers. The key feature of this product is

that it contains no asbestos element but has high strength due to long resilient filament structure and binder system. This gives it very high insulating value, makes it resilient and chemical resistant. It is unaffected by water/chemical spillage and its physical properties are restored on drying.

### STANDARD DIMENSION

---

#### Length & width (mm)

1000 x 500 mm

#### Thickness (mm)

8 to 100

#### Density (Kg/m<sup>3</sup>)

300 – 720

Other sizes are available on request

# SHREE CERAMIC FIBERS PVT.LTD

## Board Data Sheet



### APPLICATION

- ☐ Combustion chambers of boilers & heaters
- ☐ Backup insulation to castable & bricks ladle covers
- ☐ Aluminum through lines
- ☐ Trough covers, Expansion joints
- ☐ Hot gas duct lining, Riser Sleeves
- ☐ Crucibles, Landers, Tap out cones, Sight holes

### PROPERTIES

TYPE	GRADE (°C)	DENSITY (Kg/m <sup>3</sup> )	LOI (%)	CHEMICAL ANALYSIS (%)				K VALUE (W/Mk) AT 500 MEAN TEMP
				SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	ZrO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	
SHREECERA - R	1260	300 - 380	< 8	49 - 54	41 - 48	2 - 5	< 0.1	0.12
SHREECERA - M	1260	400 - 500	< 8	50 - 58	41 - 47	2 - 5	< 0.1	0.13
SHREECERA - HD	1260	650 - 720	< 10	48 - 53	43 - 48	2 - 5	< 0.1	0.14
SHREECERA - ZR	1425	300 - 380	< 6	45 - 50	29 - 35	13 - 16	< 0.1	0.12

TYPE	GRADE (°C)	DENSITY (Kg/m <sup>3</sup> )	COMPRESSIVE STRENGTH (Kg/cm <sup>3</sup> )		FLEXURAL STRENGTH (Kg/m <sup>3</sup> )	LINEAR SHRINKAGE	
			10% DEFORMATION	25% DEFORMATION		1400 °C	1200 °C
SHREECERA - R	1260	300 - 380	> 3	> 6	> 7	-	< 3.5
SHREECERA - M	1260	400 - 500	> 6	> 10	> 12	-	< 3.0
SHREECERA - HD	1260	650 - 720	> 18	-	> 34	-	< 1.0
SHREECERA - ZR	1425	300 - 380	> 3	> 6	> 7	< 4.0	< 2.0

The above properties are for 25 mm thickness

