

### Product Data Sheet

#### Ceramic Fiber Blanket

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

#### Product Description

- ☐ Our ceramic fiber blankets are popular for uniform distribution and unexceptional length
- ☐ We at DIVINE CERA WOOL INDIA LLP are using pure alumina silica as raw material for our blankets.
- ☐ The ceramic fiber blanket manufactured by us is needled with distinctive double needling system to get maximum physical and mechanical properties of blanket. Offering a broad range of thermal capabilities and physical characteristics.
- ☐ Our blanket delivers proven and operational solutions to a variety of heat processing

#### **applications.**

- ☐ Divine Cera Wool Blanket is completely inorganic and available in two different temperature grades RT(1260°C), HTZ(1425°C) and various densities and sizes.

#### **Application**

- ☐ Insulation and linings for furnaces, kilns, generators, reformers, boilers, etc.
- ☐ High-temperature pipe insulation, casting mold insulation, etc.
- ☐ High-temperature seals and gaskets, furnace door seals, expansion joints seals and filtration



#### Availability

Available Size	Available Density
13x 610 x 7300	7620 96, 128, 160
25x 610 x 7300 or	7620 64, 96, 128, 160
50 x 610 x 3650 or	3810 64, 96, 128, 160
Other sizes available on special order.	

## Technical Index

Specification	Ceramic Fiber Blanket (RT-1260)	Ceramic Fiber Blanket(HT-1425)
Classification Temperature °C	1260°	1425°
Colour	White	White
Maximum Continuous Use Temperature °C	1050	1350
Density, kg/m <sup>3</sup>	6,49,61,28,160	6,49,61,28,160
Fiber Diameter (µm)	2.6 ~ 3.5 Micron	2.6 ~ 3.5 Micron
Tensile Strength (KPa) (25mm thick, 128 kg/m <sup>3</sup> )	60 min	60 min
Permanent Linear Shrinkage, %, after 24 hours		
at 1000°C	-	-
at 1100°C	2.5 Max	2.5 Max
at 1200°C	3.0 Max	3.0 Max
at 1300°C		4.5 Max
Thermal Conductivity (W/mk)		
128 kg/m <sup>3</sup> (Mean Temperature 600°C)	0.15	0.16
Chemical Composition%		
Al <sub>2</sub> O <sub>3</sub>	43-46	35-37
SiO <sub>2</sub>	54-57	47-49
ZrO <sub>2</sub>	-	14-18
CaO +MgO	-	-
Fe <sub>2</sub> O <sub>3</sub>	<0.12	<0.12
Na <sub>2</sub> O+K <sub>2</sub> O	-	-

**Note:**

☐ Tolerance as per ASTM C-892(2010) or IS15402(2003)

☐ 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.