



Product Data Sheet

Version : DS-0103/21

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 1400°C 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 and quality.
- 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 or 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 ³	64,96,128,160	64,96,128,160
Fiber Diameter (µm)	2.6 ~ 3.5 Micron	2.6 ~ 3.5 Micron
Short Content	20.5 %	20.5 %
Tensile Strength (KPa) (25mm thick, 128 kg/m ³)	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	3.5 Max	3.5 Max
at 1300°C	-	4.5 Max
Thermal Conductivity (W/mk)		
128 kg/m ³ (Mean Temperature 600°C)	0.15	0.16

Chemical Composition%		
Al ₂ O ₃	41-48	29-37
SiO ₂	49-58	42-57
ZrO ₂	-	13-18
CaO +MgO	-	-
Fe ₂ O ₃	<0.12	<0.12
Na ₂ O+K ₂ O	-	-

Note:

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