

Ceramic Fiber Blanket

Description

INSUL - CFBlanket is manufactured from refractory ceramic fibers suitable for industrial applications to withstand temperatures of up to 2600°F, and provide effective solutions to a wide spectrum of thermal management problems. Utilizing our proprietary high output spinning techniques, the products offer superior insulating performance, flexibility and resilience, and available in a variety of density and thickness combinations.

Classifications

- INSUL - CFBlanket STD
- INSUL - CFBlanket HPS
- INSUL - CFBlanket HTZ

Features

- Excellent tensile strength
- Low shrinkage
- Excellent resiliency
- Low thermal conductivity
- Low heat storage
- Good sound absorption

Applications

- Petrochemical
- Metallurgy
- Steel industry
- Ceramic
- Refining
- Power plant
- Glass

Specifications

- 1/2" x 24"/48" x 600"
- 1" x 24"/48" x 300"
- 1-1/2" x 24"/48" x 200"
- 2" x 24"/48" x 150"

Other specification is available according to customer's requirement.



Classification	STD	HPS	HTZ
Classification Temp(°F)	2300	2300	2600
Continuous Use Temp(°F)	1832	2012	2462
Color	White	White	White
Density(lbs/ft ³)	6/8/10	6/8/10	6/8/10
Linear Shrinkage (%) (24hrs)	≤-3 (1832°F)	≤-2.5 (2012°F)	≤-2.5 (2462°F)
Thermal Conductivity (W/m.K,8lbs/ft ³)			
932°F	≤0.09	≤0.09	≤0.10
Tensile Strength (Mpa)	≥0.06	≥0.07	≥0.07
Shot Content(>0.212mm)	13-15	12-14	10-13
Chemical Composition (%)			
Al ₂ O ₃	43-45	44-46	34-36
Al ₂ O ₃ + SiO ₂	≥97	≥99	
Al ₂ O ₃ + SiO ₂ + ZrO ₂			≥99
ZrO ₂			15-17
Fe ₂ O ₃	0.20	0.15	0.15
Na ₂ O + K ₂ O	0.20	0.15	0.15