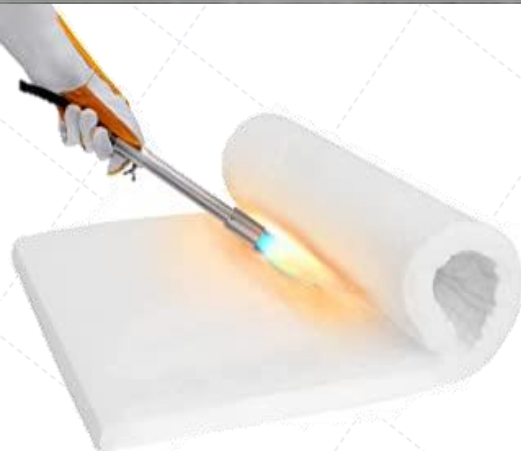


Ceramic Fiber Blanket

Excellent high-temperature insulation performance and long service life;



Heat Shield

Ceramic fiber blankets are used primarily for high-temperature insulating applications.

Product Description

The ceramic fiber blanket is white in color and the size is regular. It integrates fire resistance, heat insulation, and heat preservation and does not contain any binding agent. When used for a long time in a neutral and oxidizing atmosphere, the aluminum silicate needle blanket can still maintain good tensile strength, toughness, and fiber structure. High-temperature resistance has chemical stability, thermal stability, sound absorption and noise reduction performance, high tensile strength, low thermal conductivity, and low thermal capacity.

Ceramic fiber blanket has good extensibility, strong earthquake resistance, lightweight, good heat insulation, and strong stability.

It is often used in various fields such as the **chemical industry, construction industry, aerospace industry, military industry, air conditioning, refrigeration, and more.**



Utilities



Industrial



Oil & Gas



Urban Construction

Features

- High tensile strength and resilience.
- Excellent mechanical strength
- Excellent structural strength
- Low thermal conductivity,
- low shrinkage, low density
- Excellent thermal capacity
- Good sound absorption
- Good thermal shock resistant
- Excellent chemical stability, non-flammable
- Excellent thermal insulation





These blankets have the heat resistance of a hard refractory with greater insulation value.

- Interior & Exterior
- High Resistance
- Fire Protection
- Moisture Barrier
- Thermal
- Acoustic



Technical Indicators and Chemical Properties

Item Code		CFB 112	CFB 212	CFB 312	CFB 422	CFB 512	CFB 612	
Working Temperature		1050° C	1260° C	1260° C	1400° C	1430° C	1400° C	
Bulk Density		96/128Kg/m3						
Linear Shrinkage [24h, 128kg/m3]		-4/1000° C	-3/1000° C	-3/1000° C	-3/1250° C	-3/1350° C	-3/1260° C	
Chemical Analysis	Al2O3	44%	46%	47-49%	52-55%	39-40%	39-40%	
	Al2O3 + SiO2	96%	97%	99%	99%	-	-	
	ZrO2	-	-	-	-	15-17%	5-7%	
	Fe2O3	1.2%	1.0%	0.2%	0.2%	0.2%	0.2%	
	Na2O+K2O	0.5%	0.5%	0.2%	0.2%	0.2%	0.2%	
Thermal Conductivity	600° C							
	400° C	0.86 w/m.k	0.86 w/m.k	0.86 w/m.k	0.92 w/m.k	0.92 w/m.k	0.92 w/m.k	
	800° C	0.120 w/m.k	0.120 w/m.k	0.110 w/m.k	0.186 w/m.k	0.186 w/m.k	0.20 w/m.k	
		1000° C						
Regular Size [Length / mm]		15000 mm						
Regular Size [Width / mm]		610 mm						
Regular Size [Thickness / mm]		10, 25, 30, 50 mm						

We can fulfill your requirements.



TAILOR-MADE SOLUTION

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eMail

INFO@WSQGROUP.COM



What's App

+965 65523109



Office

22442021



Website

WWW.WSQGROUP.COM



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