



Ceramic Fiber Blanket

Application:

Ceramic Fiber Blanket is made of high purity Alumino-Silicate (and Zirconia) fibrous wool.

- Refractory back-up installation
- Direct exposure to heat as furnace hot face lining
- Expansion joint seal
- Fire protection
- General high temperature insulation

Characteristic:

- Needled blanket
- Non-combustible
- Low density and low thermal conductivity
- Shorter heat up and cool down time
- Resilience and resistance to thermal shock
- Flexible and easy to cut or install
- Consist of acoustic properties
- Contain no organic binder
- Asbestos free



Physical and chemical index:

	1400 Blanket			
Classification temperature (°C)	1425			
Melting point (°C)	1700			
Colour	White			
Fiber diameter (u m)	2.8			
Fiber length (mm)	~250			
Linear shrinkage(%)	(1300 o C x 24 hrs) 1.5			
Shot content (>212 micro meter) (%)	18			
Thermal conductivity Kcal/mh °C (W/mK) ,ASTM C201				
1400 blanket			128 kg/m ³	160kg/m ³
mean 600 °C			0.13	0.14
mean 800 °C			0.20	0.20
mean1000 °C			0.29	0.28
Chemical composition (%)				
Al ₂ O ₃	47.1	35.0	40.0	72
SiO ₂	52.3	49.7	58.1	28
ZrO ₂		15.0		
Cr ₂ O ₃			1.8	
Bulk density (Kg/m ³)	64 , 96 , 128 , 160			
Available size (mm/roll)	7200*600*6,12.5,20,25,38;3600*600*50			