



## **Ceramic Fiber Blanket**

SUNRISE CERAMIC FIBRE BLANKET is made of special ceramic long-fiber that is produced by the melting of very pure raw materials in double surface needling process without binders and with good stability in a large range of temperature. The process of double surface needling increases interweaving and tensile strength.

CBT-1260 Blanket is a high pure, light weight double needle flexible blanket with Characteristics of high tensile strength, resistance to gas flow velocity, refractory insulation and so on, which is widely used in hot and cold face thermal insulation. Variety of Standard can meet with acquirement.

### **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



### **Application:**

- Refractory back-up installation
- Direct exposure to heat as furnace hot face lining
- Expansion joint seal
- General high temperature insulation
- Internal and external lining for industry furnace
- Glass furnace crown insulation
- Internal and external insulation of flue
- Mine survival cabin insulation
- Track train equipment insulation
- High-temperature filter media
- Joint sealing and filling insulation
- Expansion seals/pipe coverings
- Nuclear power and aerospace insulation
- Home Application insulation
- Fire Protection

**Package:** Carton. OEM package is available.



## Physical and chemical index:

	TY-CBT 1260 Blanket			
Classification temperature ( °C)	1260(2300° F)			
Melting point (°C)	1760(3200 ° F)			
Colour	White			
Fiber diameter ( u m)	2.8			
Fiber length (mm)	~250			
Linear shrinkage(%)	(1100°C x 24 hrs) 1.8			
Shot content(>0.212 mm) (%)	7			
Thermal conductivity Kcal/mh °C (W/mK) ,ASTM C201				
1260 blanket	64 kg/m <sup>3</sup>	96 kg/m <sup>3</sup>	128 kg/m <sup>3</sup>	160kg/m <sup>3</sup>
mean 400°C	0.13	0.12	0.07	0.09
mean 600 °C	0.21	0.17	0.12	0.14
mean 800°C	0.30	0.25	0.16	0.20
Chemical composition (%)				
Al <sub>2</sub> O <sub>3</sub>	44.0 – 48.0			
SiO <sub>2</sub>	52.0 – 56.0			
ZrO <sub>2</sub>	-			
Cr <sub>2</sub> O <sub>3</sub>	-			
Bulk density ( Kg/m <sup>3</sup> )	64 , 96 , 128 , 160			
Available size ( mm/roll )	7200*610/1220*6,12.5,20,25,38;			
	3600*610/1220*38/50			