



Shiv Sales Corporation®

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Ceramic Fiber Blanket

Product Description

Ceramic Fiber Blanket is made from high purity Alumina-Silica (and Zirconia), double needling enhances the physical properties of the blanket, conferring good handle ability, durability and resistance to delaminating.

Characteristics

- Double needled blanket
- Low density
- Low thermal conductivity
- Shorter heat up and cool down time
- Resilience and resistance to thermal shock
- Flexible and easy to cut and install
- Contain no organic binder
- Asbestos free

Applications

- Lining for furnaces, kiln and oven
- Expansion joints and seals for furnace, kiln and oven
- Back-up installation
- Lagging of high temperature pipe work
- High temperature filtration
- Steam turbine and nuclear insulation
- Fire protection

Technical Index

Classification temperature (°C)	1260	1425
Color	White	
Fiber Diameter (μm)	2.5 ~ 4	
Linear Shrinkage (%)	At 1100°C ≤-3	At 1300°C ≤-3
Thermal Conductivity (W/mk)(128 kg/m ³) Mean Temperature 600°C)	≤0.15	
Tensile Strength (KPa)(25 mm thick, 128 kg/m ³)	55	
Fiber Index (%)	48-52	48-54
Theoretical Density (kg/m ³)	64/96/128	
Chemical Composition (%)		
Al ₂ O ₃	42-47	30-34
SiO ₂	53-58	48-55
Zr ₂ O ₂	-----	13-18
Other	Traces	Traces
Available size mm/roll	13 x 610 x 7620 25 x 610 x 7620 50 x 610 x 7620	