

SIMWOOL BLANKET

Product Description :

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

Characteristics :

- Double needled blanket
- Low density
- Low thermal conductivity
- Short heating & cooling time
- Resistant to thermal shock
- Flexible and easy to cut and install
- Contains no organic binder
- Asbestos free

Applications :

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



Technical Index :

Classification Temperature (°C)	1260	1425
Colour	White	
Fiber Diameter (µm)	2.5 ~ 4	
Linear Shrinkage (%)	1200°C x 24 hrs -3.5	1400°C x 24 hrs -3.5
Thermal Conductivity (W/mk) (Density 128 kg/m³ & Mean Temperature 500°C)	0.15	
Tensile Strength (KPa) (25 mm thick, 128 kg/m³)	55 Min.	
Non Fiberous content by wt.(%)	30 Max.	
Theoretical Density (kg/m³)	64/96/128	
Chemical Composition (%)		
Al ₂ O ₃	42-47	30-34
SiO ₂	53-58	48-55
ZrO ₂	-----	13-18
Other	Traces	Traces
Blanket Size (mm)*	13 x 610 x 7620 25 x 610 x 7620 50 x 610 x 3810	

* Other sizes available on special order.

All data represents typical results of standard tests conducted under controlled conditions. As such, the information is intended only as a general guide for specifications and design estimates.