

SIMVAC BOARD

Product Description :

SIMVAC Ceramic Fiber Board is made from refractory fibers and binders which have low organic content, the mixture is vacuum processed into boards that imparts good mechanical strength even after heating.

Characteristics :

- Low thermal conductivity
- Resistant to thermal shock
- Great mechanical strength
- Even density & thickness
- Able to withstand gas flow velocity of 30m/sec
- Easy to cut or install
- Good erosion resistance
- Short heat up and cool down time
- Asbestos free

Applications :

- Hot face lining of ceramic kilns
- Insulation for kiln car
- Furnace door insulation
- Duct insulation
- General thermal barriers
- High temperature insulation



Technical Index :

Temperature° C	Density (kg/m ³)	Al ₂ O ₃ (%)	SiO ₂ (%)	ZrO ₂ (%)	Loss on Ignition (%)
1050° C	300-370	21-23	72-74	--	5-8
1260° C	320-380	43-45	54-56	--	4-7
1425° C	320-380	29-31	54-58	12-14	4-7

Temperature° C	Compressive Strength 10% deform (kg/cm ²)	Compressive Strength 25% deform (kg/cm ²)	Bursting Strength (kg/cm ²)	Linear Shrinkage % 24 hrs.	
1050°C	2.8 Min.	4.5 Min.	10 Min.	2.5 Max.	At 1000°C
1260°C	2.8 Min.	4.5 Min.	15 Min.	3.5 Max.	At 1200°C
1425°C	2.8 Min.	4.5 Min.	15 Min.	3.5 Max.	At 1400°C

• Standard Size : 25mm x 500mm x 1000mm (also available in other thickness of 10-100 mm)

• Other sizes available on special order.

All data represents typical results of standard tests on 25mm thick Ceramic Fiber Board conducted under controlled conditions. As such, the information is intended only as a general guide for specifications and design estimates.