



## **Ceramic Fiber Board**

### **Application:**

Ceramic Fiber Board is made of Alumino-Silicate fibrous wool by vacuum forming process.

- Furnace with high temperature and high gas flow velocity

### **Characteristic:**

- Fibers are bonded by binder
- Low density and low thermal conductivity
- Shorter heat up and cool down time
- Resilience and resistance to thermal shock
- Greater mechanical strength
- Can withstand gas flow velocity of 30 m/sec
- Even density, thickness
- Flexible and easy to cut or install
- Asbestos free



**Physical and chemical index:**

	1600 Board			
Classification temperature ( °C)	1600			
Bulk density ( Kg/m <sup>3</sup> )	180			
Linear shrinkage ( % , °C x 24 hrs)	1.2 (1400)			
Modulus of rupture (kg / cm <sup>2</sup> )	2			
Shot content (>212 micro meter) (%)				
Thermal conductivity Kcal/mh °C (W/mK) ,ASTM C201				
	250 kg/m <sup>3</sup>	250 kg/m <sup>3</sup>	200kg/m <sup>3</sup>	180kg/m <sup>3</sup>
mean 400 °C	0.08	0.09		
mean 600 °C	0.13	0.14	0.10	0.12
mean 800 °C	0.20	0.18	0.14	0.16
mean1000 °C			0.20	0.21
Chemical composition (%)				
Al <sub>2</sub> O <sub>3</sub>	40.1	44	52	58
SiO <sub>2</sub>	54.3	54	47	41
ZrO <sub>2</sub>				
Cr <sub>2</sub> O <sub>3</sub>				
Available size ( mm/pc )	900 / 1000*600*6 / 12.5 / 20 / 25 / 30 / 40 / 50 ; 1100*700*25 / 50			