

## **CCEWOOL® Classic series Ceramic Fiber Board**

### **Description:**

CCEWOOL® classic series ceramic fiber board is made through automatic vacuum forming process. 24 hours continuously working, quickly drying. CCEWOOL® classic series ceramic fiber board enjoys higher compressive strength, tidy surface and precise size, the thickness varies from 20mm to 100mm, which is easy for installation.

### **Characteristics:**

Low heat capacity, low thermal conductivity;  
Non-brittle material, good elasticity;  
High compressive strength  
Excellent wind-erosion resistance, long service life;  
Excellent thermal stability and thermal shock resistance;  
Continuous production, even fiber distribution and stable performance;  
Good sound insulation;  
Good anti-stripping properties;  
Easily molded or cut, easy to install;  
Accurate sizes and good flatness

### **Application:**

refractory lining  
Insulating backup to dense refractory materials  
Insulating backup to brick & castable  
Furnace hot face lining in ceramic kiln, box furnace & petrochemical furnace  
Use in industrial heat processing equipment  
Rigid high-temperature gaskets & seals  
High-temperature baffles & muffles  
Flue & chimney linings in furnaces & kilns  
Molten metal trough covers  
Hot gas duct linings  
Expansion joints  
Industrial heat shields & thermal barriers  
Industrial combustion chamber construction  
Domestic appliance & light-duty industrial combustion chamber construction

**Technical data:**

<b>CCEWOOL® classic series ceramic fiber board</b>					
Classification temperature	1050 (1920 °F)	1260 STD (2300°F)	1260 HP (2300°F)	1400 (2550 °F)	1430 HZ (2600°F)
Operation Temp °C	950	1050	1100	1200	1350
Permanent Linear Change on Heating (%)					
@950C,24hrs	4	-	-	-	-
@1200C,24hrs	-	3	3	-	-
@1300C,24hrs	-	-	-	3	-
@1350C,24hrs	-	-	-	-	3
Thermal Conductivity (w/m.k)					
600°C	0.13	-	-	-	-
800°C	0.2	0.13	0.13	0.12	0.16
1000°C	-	0.19	0.19	0.2	0.2
Rupture Strength (MPa)					
Thickness≤25mm	0.5	0.5	0.5	0.5	0.5
Thickness>25mm	0.2	0.2	0.2	0.2	0.2

Chemical Composition (%)						
Al <sub>2</sub> O <sub>3</sub>	37	46	46-49	52-55	39-40	
Al <sub>2</sub> O <sub>3</sub> +SiO <sub>2</sub>	96	97	99	99	-	
ZrO <sub>2</sub>	-	-	-	-	15-17	
Al <sub>2</sub> O <sub>3</sub> +SiO <sub>2</sub> +ZrO <sub>2</sub>	-	-	-	-	99	
Fe <sub>2</sub> O <sub>3</sub>	≤1.0	≤0.8	≤0.2	≤0.2	≤0.2	
Na <sub>2</sub> O+K <sub>2</sub> O	≤0.8	≤0.5	≤0.2	≤0.2	≤0.2	
Package	Carton box or pallet					

**Size:**

CCEWOOL® classic series ceramic fiber board		
Thickness (mm)	20.25.50.	80.100
Density (kg/m <sup>3</sup> )	280. 300. 320. 350	280. 300. 320
Size (mm)	1200*1000 or customized size	