

CCEWOOL® Super Duty Ceramic Fiber Board



CCEWOOL® Super Duty Ceramic Fiber Board is a new type of refractory and heat insulation material, which is made of refractory ceramic fiber bulk as the main raw material. It can maintain high strength and low thermal conductivity at high temperature.

CCEWOOL® Super Duty Ceramic Fiber Board has tough texture. The bearing capacity at normal temperature is greater than 80 t/m² and the bearing capacity at high temperature is greater than 40 t/m². Its compressive strength is more than ten times that of general refractory ceramic fiber board. Its thermal insulation performance is basically the same as that of general refractory ceramic fiber board. It is a kind of high-strength thermal insulation fiber board.

Characteristics:

- Excellent load bearing capacity;
- Excellent thermal stability;
- Excellent thermal shock resistance;
- Low thermal conductivity;
- Low heat storage;
- Can be machined, cut and shaped easily.

Application:

- Back lining in ladle, tundish, torpedo car and hot metal ditch;
- Load-bearing of kiln trolley;
- Load-bearing of aluminum reduction cell bottom;
- Cover plate for reformer floor tubes;



High temperature flange gasket for heat treatment furnace.

TDS

CCEWOOL® Super Duty Ceramic Fiber Board		
Description	600 Super Duty Board	900 Super Duty Board
Density (kg/m ³)	600	900
Modules of Rupture (MPa)	≥2.0 Before Firing	≥4.0 Before Firing
	≥0.8 After Firing	≥1.2 After Firing
Compressive Strength (MPa, 10% relative deformation)	≥0.8 Before Firing	≥4.0 Before Firing
	≥0.4 After Firing	≥2.5 After Firing
Permanent Linear Shrinkage (%)	1100°C X 24h ≤ 3.0	1100°C X 24h ≤ 3.0
Thermal Conductivity (W/m·K)		
300°C	0.08	0.12
400°C	0.09	0.13
500°C	0.1	0.14

