

CCEWOOL® Ceramic Fiber Board DB



Temperature Grade 1100°C (2012°F)

CCEWOOL® Ceramic Fiber Board DB is a refractory ceramic fiber backboard made primarily from alumina-silica fiber, natural refractory materials, and a small amount of organic binders. It is processed using a fully automated continuous production line. The product has a high fiber content and features characteristics such as high-temperature resistance, lightweight, and thermal shock resistance. It can be

used in various applications, including industrial kiln and furnace lining, wall lining, lining materials, insulation for electric heating furnaces, ceramic shuttle kilns, tunnel kilns, and roller kilns, providing strong support for energy saving, consumption reduction, high quality, and high yield in kilns.

Characteristics:

- Low heat capacity, low thermal conductivity;
- High compressive strength;
- Non-brittle material, good elasticity;
- Accurate sizes and good flatness
- Easily molded or cut, easy to install
- Continuous production, even fiber distribution and stable performance;
- Excellent thermal stability and thermal shock resistance.

Applications:

- Backing insulation for kilns in the cement and building materials industry;
- Backing insulation for various kilns in the ceramics industry;
- Backing, wall lining, and insulation for kilns in the petrochemical and metallurgical industries;



Wall lining and backing insulation for glass kilns;

Backing insulation for heat treatment kilns;

Refractory brick backing for aluminum reduction cells in aluminum plants;

Wall lining and backing materials for high-temperature reactors and heating equipment.

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CCEWOOL® Ceramic Fiber Board DB	
Classification Temperature	1100°C(2012°F)
Operation Temperature	950°C (1742°F)
Color	White
Loss of Ignition (%)	≤7
Permanent Linear Shrinkage (%)	950°Cx24h≤2.0
Modules of Rupture (MPa)	≥0.3
Compressive Strength (MPa,10% relative deformation)	
220kg/m3	≥0.1
300kg/m3	≥0.2
Thermal Conductivity (w/m.k)	
800°C	≤0.116
1000°C	≤0.135
Chemical Composition (%)	
Al2O3	≥43
SiO2	≥52
ZrO2	-
Package	Carton box or pallet

CCEWOOL® Ceramic Fiber Board DB	
Thickness (mm)	20.25.50.80.100
Size (mm)	1200×1000 or customized size

CCEWOOL® Ceramic Fiber Board DB	
Thickness (in)	4/5",1",2",3",4"
Size (in)	47"×40" or customized size