CCEWOOL Thermomax Inc.
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# CCEWOOL® Ceramic Fiber Board DB




Temperature Grade 1100℃ (2012℉)

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;

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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.

**TDS**

| CCEWOOL® Ceramic Fiber Board DB | |
|---|---|
| Classification Temperature | 1100℃(2012℉) |
| Operation Temperature | 950℃ (1742℉) |
| Color | White |
| Loss of Ignition (%) | ≤7 |
| Permanent Linear Shrinkage (%) | 950℃x24h≤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℃ | ≤0.116 |
| 1000℃ | ≤0.135 |
| Chemical Composition (%) | |
| Al2O3 | ≥43 |
| SiO2 | ≥52 |
| ZrO2 | - |
| Package | Carton box or pallet |

| CCEWOOL® Ceramic Fiber Board DB | |
|---|---|
| Thickness (mm) | 3 - 100 |
| Size (mm) | 1200×1000 or customized size |

| CCEWOOL® Ceramic Fiber Board DB | |
|---|---|
| Thickness (in) | 1/8” - 4” |
| Size (in) | 48”×40” or customized size |