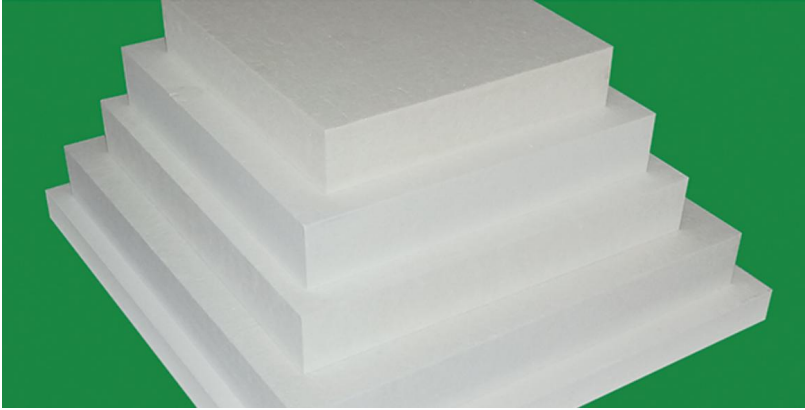


CCEWOOL® Ceramic Fiber Board HD



Temperature Grade 1260°C (2300°F)

CCEWOOL® Ceramic Fiber Board HD insulation material is a high-density board product made primarily from alumina-silicate fibers with the addition of binders. This product has a tough texture, excellent self-supporting

strength, and compressive strength, making it highly resistant to the impact of molten metals. The compressive strength of CCEWOOL® Ceramic Fiber Board HD is more than ten times that of typical refractory ceramic fiber boards. It is a high-strength fiberboard available in various standard thicknesses for selection.

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:

Full thickness refractory lining;



- Insulating backup to dense refractories;
- Insulating backup to brick & castable;
- Furnace hot face lining in ceramic kiln, box furnace & petrochemical furnace;
- Board over blanket hot face lining;
- Rigid high-temperature gaskets & seals;
- High-temperature baffles & muffles;
- Flue & chimney linings in furnaces & kilns;
- Infrared element supports;
- Glass tank side & end wall & port neck insulation;
- Trough linings for conveying molten metals;
- Molten metal trough covers;
- Thermal insulation where high velocities are encountered;
- Heat shields for personnel protection;
- Hot gas duct linings;
- Low- & high-temperature dryers;
- Pouring forms for castable;
- Expansion joints.

TDS

CCEWOOL® Ceramic Fiber Board HD	
Classification Temperature	1260°C(2300°F)
Operation Temperature	1050°C(1922°F)
Color	white
Loss of Ignition (%)	≤6
Permanent Linear Shrinkage (%)	1050°Cx24h≤3.0
Modules of Rupture (MPa)	≥0.3
Compressive Strength (MPa,10% relative deformation)	

	360kg/m ³	≥0.3
Thermal Conductivity (w/m.k)		
	400°C	0.08
	600°C	0.11
	800°C	0.14
	1000°C	0.19
Chemical Composition (%)		
	Al ₂ O ₃	≥44
	SiO ₂	≥52
	ZrO ₂	-
Package	Carton box or pallet	

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

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

