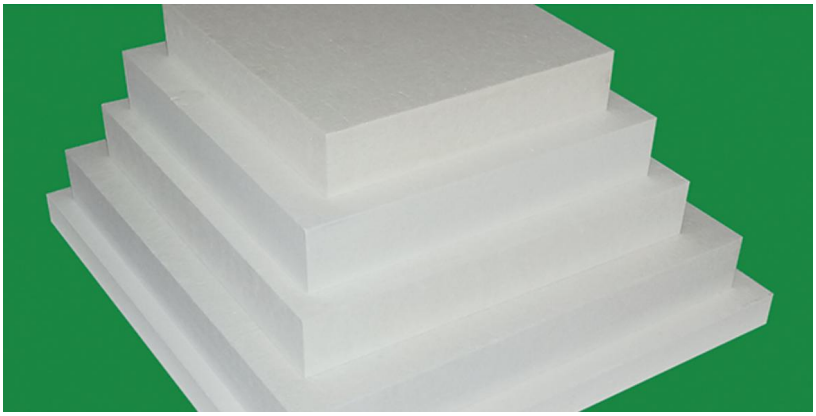
CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

CCEWOOL® Ceramic Fiber Board HD



Temperature Grade 1260℃(2300℉)

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;

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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℃(2300℉)
Operation Temperature	1050℃(1922℉)
Color	white
Loss of Ignition (%)	≤6
Permanent Linear Shrinkage (%)	1050℃x24h≤3.0
Modules of Rupture (MPa)	≥0.3
Compressive Strength (MPa,10% relative deformation)	

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360kg/m3	≥0.3
Thermal Conductivity (w/m.k)	
400℃	0.08
600℃	0.11
800℃	0.14
1000℃	0.19
Chemical Composition (%)	
Al2O3	≥44
SiO2	≥52
ZrO2	-
Package	Carton box or pallet

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

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