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

CCEWOOL® Ceramic Fiber Board LD



Temperature Grade

1260℃(2300℉)

CCEWOOL® Ceramic Fiber Board LD is made from high-purity alumina-silicate fibers with a certain proportion of binders added. It is manufactured through processes such as pressing, curing, shaping, longitudinal and transverse cutting, and vacuum molding. It features a uniform structure, excellent thermal and acoustic insulation properties, low thermal conductivity, low heat capacity, high compressive strength, precise dimensions, good flatness, ease of mechanical processing, and installation. These characteristics make it ideal for use as a core material or sandwich material in the manufacturing of components where aesthetics, quality, uniformity, and performance are crucial. CCEWOOL® Ceramic Fiber Board LD is produced through a fully automatic vacuum molding process, operating continuously for 24 hours, resulting in improved compressive strength. The surface of CCEWOOL® Ceramic Fiber Board LD is flat, and it is 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;

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Easily molded or cut, easy to install;

Accurate sizes and good flatness.

Application:

refractory lining;

Insulating backup to dense refractory materials;

Insulating backup to brick & castable;

Furnace hot face lining in ceramic kiln, box furnace & petrochemical furnace;

Use in industrial heat processing equipment;

Rigid high-temperature gaskets & seals;

High-temperature baffles & muffles;

Flue & chimney linings in furnaces & kilns;

Molten metal trough covers;

Hot gas duct linings;

Expansion joints;

Industrial heat shields & thermal barriers;

Industrial combustion chamber construction;

Domestic appliance & light-duty industrial combustion chamber construction.

TDS

CCEWOOL® Ceramic Fiber Board LD	
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

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Compressive Strength (MPa,10% relative deformation)	
250kg/m3	≥0.15
300kg/m3	≥0.25
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 LD	
Thickness (mm)	3 - 100
Size (mm)	1200×1000 or customized size

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