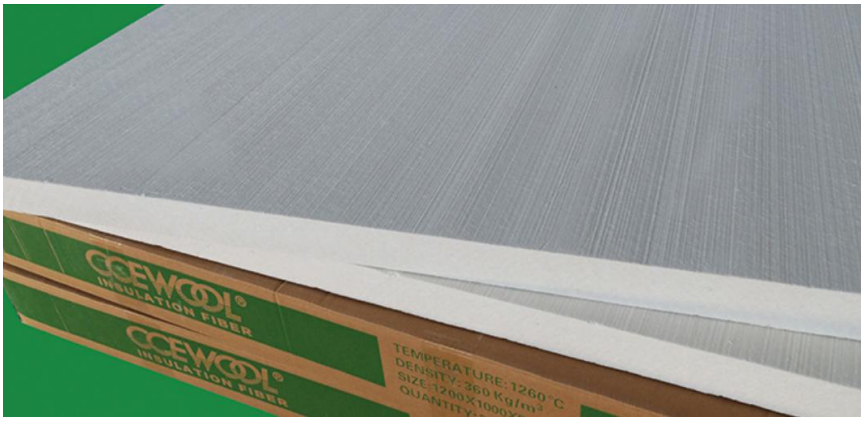
CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

CCEWOOL® Ceramic Fiber Board LZ



Temperature Grade

1400℃(2550℉)

CCEWOOL® Ceramic Fiber Board LZ is a zirconium alumina refractory ceramic fiber board made from low-zirconium refractory ceramic fiber spun cotton as raw material, produced through a fully automated vacuum forming process. It operates continuously for 24 hours and dries quickly, resulting in better compressive strength. The surface is smooth, the dimensions are precise, and it is easy to install. It is a refractory fiber insulation material capable of withstanding high temperatures up to 1400℃ (2550℉). There are various standard thicknesses available 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:

refractory lining;

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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 LZ	
Classification Temperature	1400℃ (2550℉)
Operation Temperature	1200℃(2192℉)
Color	white
Loss of Ignition (%)	≤6
Permanent Linear Shrinkage (%)	1200℃x24h≤3.5
Modules of Rupture (MPa)	≥0.3
Compressive Strength (MPa,10% relative deformation)	
300kg/m3	≥0.25
360kg/m3	≥0.3
Thermal Conductivity (w/m.k)	
400℃	0.07
600℃	0.1

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800℃	0.13
1000℃	0.19
Chemical Composition (%)	
Al2O3	≥44
SiO2	≥50
ZrO2	≥5
Package	Carton box or pallet

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

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