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

CCEWOOL® Ceramic Fiber Board RG



Temperature Grade

1260℃(2300℉)

CCEWOOL® Ceramic Fiber Board RG insulation material is an economical and efficient insulation board. The surface of the board is coated with a hardening agent, which, after drying, provides the board with rigid characteristics. It is suitable for applications that require rigid strength in the product. This material offers high resistance to fracture, compressive strength, wear resistance, and resistance to thermal gas erosion.

CCEWOOL® Ceramic Fiber Board RG insulation material is ideal for use as an alternative material for dense refractories (such as refractories used in the glass industry) and can also be used as a thermal protection layer for blanket linings. The rigid surface helps suppress dust during installation and operation. Various standard thicknesses are 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;

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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;

Use in industrial heat processing equipment;

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;

Industrial heat shields & thermal barriers;

Industrial combustion chamber construction;

Domesticappliance & light-duty industrial combustion chamber construction;

Wood-burning stove backup insulation.

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TDS

CCEWOOL® Ceramic Fiber Board RG	
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)	
250kg/m3	≥0.15
300kg/m3	≥0.25
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 RG	
Thickness (mm)	20.25.50.80.100
Size (mm)	1200×1000 or customized size

CCEWOOL® Ceramic Fiber Board RG	
Thickness (in)	4/5”,1”,2”,3”,4”
Size (in)	48”×40” or customized size