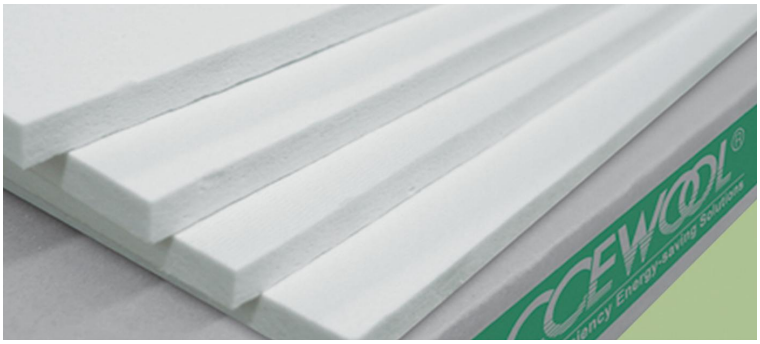
CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

CCEWOOL® Low Biopersistent Fiber Board 2192



Temperature grade 1200℃ (2192℉) CCEWOOL® Low Biopersistent Fiber Board 2192 is a soluble fiber board made from a mixture of organic and inorganic binders, with a very low Fe2O3 content. Our CCEWOOL® Low Biopersistent Fiber boards can come into direct contact with fire and can be cut into various sizes according to customer requirements. It has an extremely low thermal conductivity, low heat storage capacity, and excellent resistance to thermal shock, making it suitable for applications with large temperature variations.

Characteristics:

Low thermal conductivity;
Low thermal storage;
High tensile strength;
Thermal shock resistance;
Lightweight;
Excellent corrosion resistance.

Application:

Hot face lining for furnace and oven;
Flue & chimney linings in furnaces & kilns;
Insulating backup for these products:
- Fire brick
- Insulating brick
- Refractory castable;

Insulation for electric appliance and heat treatment.

TDS

CCEWOOL® Low Biopersistent Fiber Board 2192	
Classification Temperature (℃)	1200℃(2192℉)
Color	Light Bluish
Density (kg/m³)	300
Modules of Rupture (MPa)	≥0.25
Compressive Strength (MPa, 10% relative deformation)	0.15
Loss of Ignition (%)	≤7

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

Permanent Linear Shrinkage (%)	1100℃ x 24h ≤2.0
Thermal Conductivity (W/m·K)	
200℃	0.05
400℃	0.08
600℃	0.10
800℃	0.12
1000℃	0.14

CCEWOOL® Low Biopersistent Fiber Board 2372

Temperature grade 1300℃ (2372℉) CCEWOOL® Low Biopersistent Fiber Board 2372 is the latest development in soluble fiber products, made from a blend of soluble fiber cotton, organic, and inorganic binders, forming a hard board. In use, Low Biopersistent Fiber Board maintains high compressive strength and low thermal conductivity, with physical properties remaining stable. It can withstand temperatures up to 1300℃ (2372℉), providing stability to the entire refractory lining system. CCEWOOL® Low Biopersistent Fiber Board 2372 exhibits excellent chemical stability and can resist attack from most acids and corrosive agents, except hydrofluoric acid, phosphoric acid, and concentrated alkalis.

Characteristics:
High temperature stability;
Low thermal conductivity;
Resistance to thermal shock;
Good handling strength;
Easy to cut with standard tools.

Application:
Hot gas duct linings;
Rigid high temperature gaskets and seals;
Heat shields;
Shapes for domestic appliances;
Molten metal transfer systems.

TDS

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

CCEWOOL® Low Biopersistent Fiber Board 2372	
Classification Temperature (℃)	1300℃(2372℉)
Color	Light Bluish
Density (kg/m³)	300
Modules of Rupture (MPa)	≥0.25
Compressive Strength (MPa, 10% relative deformation)	0.15
Loss of Ignition (%)	≤7
Permanent Linear Shrinkage (%)	1260℃ x 24h ≤2.0
Thermal Conductivity (W/m·K)	
200℃	0.05
400℃	0.07
600℃	0.10
800℃	0.11
1000℃	0.14