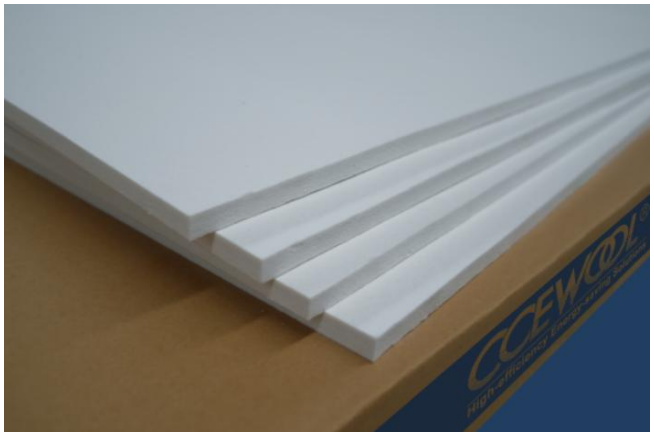
CCEWOOL Bio Soluble Fiber Board



Temperature Grade: 1200°C (2192°F), 1300° C (2372° F)

CCEWOOL Bio Soluble (Low Biopersistent) Fiber Board is rigid board using CCEWOOL soluble fiber bulk with organic and inorganic binder. CCEWOOL Bio Soluble fiber board is able to contact with fire directly and can be cut into different size. Low thermal conductivity, low heat storage and excellent resistance to thermal shock allow this product to be used in a wide range of application where temperature changes fast.

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

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CCEWOOL Bio Soluble Fiber Board		
Classification Temperature	1200℃(2192℉)	1300℃(2372℉)
Color	Light Bluish	Light Bluish
Density (kg/m³)	300	300
Modules of Rupture (MPa)	≥0.25	≥0.25
Compressive Strength (MPa, 10% relative deformation)	0.15	0.15
Loss of Ignition (%)	≤7	≤7
Permanent Linear Shrinkage (%)	1100℃ x 24h ≤2.0	1260℃ x 24h ≤2.0
Thermal Conductivity (W/m·K)		
200℃	0.05	0.05
400℃	0.08	0.07
600℃	0.11	0.1
800℃	0.12	0.11
1000℃	0.15	0.14

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