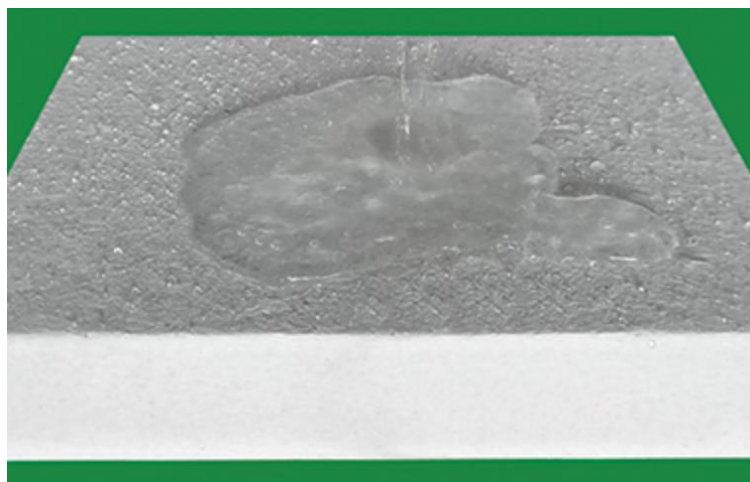


CCEWOOL® Water-Repellent Ceramic Fiber Board



Classification Temperature: 1100°C (2012°F), 1260°C (2300°F)

Chemical Composition: Alumina, Silica

CCEWOOL® Water-Repellent Ceramic Fiber Board is a high-performance ceramic fiber board combining water resistance, thermal insulation, and fire resistance. It is specially designed for insulation systems exposed to high humidity, water ingress, or

condensation. A stable water-repellent formulation is introduced into the ceramic fiber raw material system, and the board is formed on a fully automated continuous production line. After approximately two hours of deep and uniform drying, the water-repellent performance penetrates throughout the fiber structure, creating integral water repellency rather than surface-only protection.

At operating temperatures below 200°C, CCEWOOL® Water-Repellent Ceramic Fiber Board can maintain a water repellency rate above 99%, effectively reducing moisture absorption and helping prevent increased thermal conductivity, insulation degradation, and fiber structure corrosion caused by moisture. Compared with conventional ceramic fiber board, it provides more reliable thermal stability and longer service life under humid conditions.

CCEWOOL® Water-Repellent Ceramic Fiber Board is particularly suitable for offshore platforms, coastal facilities, and other high-humidity environments. It can be used for fire protection, equipment insulation, thermal and fire insulation, and sound insulation applications requiring long-term system stability and durability.

Characteristics:

Excellent water repellency, with a water repellency rate above 99%;

Excellent low thermal conductivity and moisture resistance;

High strength and vibration resistance;

Excellent corrosion resistance;

Easy installation, good stability, and long service life.

Applications:

Fire-resistant compartments and deck insulation for ships;

Equipment insulation systems on offshore oil and gas platforms;

External insulation for chemical storage tanks and pipelines;

Moisture-resistant insulation for electrical cabinets, heating equipment, and steam systems.

TDS

CCEWOOL® Water-Repellent Ceramic Fiber Board		
Type(°C)	1100	1260
Permanent Linear Change on Heating (%)	950°Cx24h<=-2.5	1050°Cx24h<=-2
Theoretic Heat Conductivity Co-efficient (w/m.k) (800°C)	<=0.116	<=0.135
Theoretical density (kg/m3)	220	300
Water content (%)	<=1	
organic content (%)	<=6	
Hydrophobicity	>=98%	
Regular Size (mm)	1200x600mm (47"x24") Thickness: 25/50mm (1"/2")	
Package	Carton/Pallet	