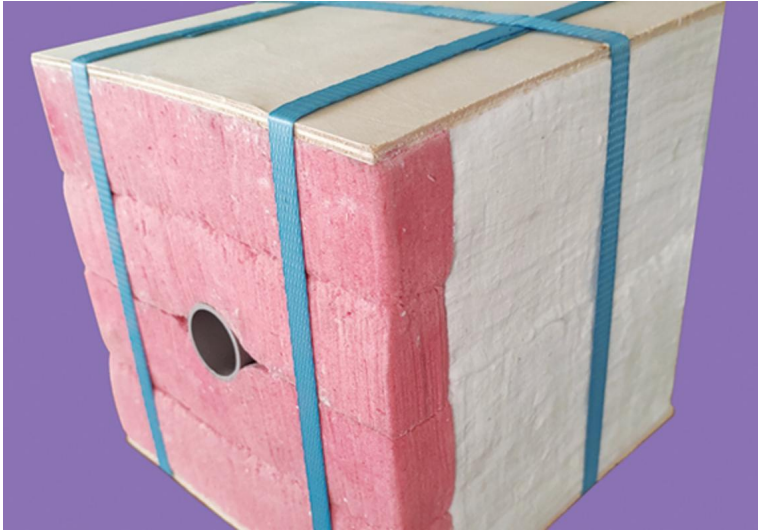


CCEWOOL® Polycrystalline Wool Fiber Module HD



Temperature Grade 1600°C (2912°F)

CCEWOOL® Polycrystalline Wool Fiber Module HD is made of Polycrystalline Wool Fiber Blanket. This module is designed specifically to meet the insulation requirements of all fiber lining furnace between 1300 °C (2372 °F) and 1500 °C (2732 °F). CCEWOOL® Polycrystalline Wool Fiber Module HD is equipped with

various anchoring systems and can be quickly, easily, and efficiently installed on most furnace linings.

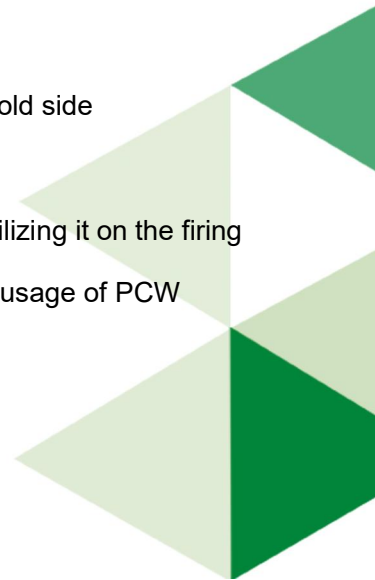
CCEWOOL® Polycrystalline Wool Fiber Module HD has the advantages of good corrosion resistance and long service life.

We can produce alumina fiber composite module made of CCEWOOL® Polycrystalline Wool Blanket and CCEWOOL® Ceramic Fiber Blanket 2600 which is more cost saving while meeting the working temperature.

Composite Module A: Module made of CCEWOOL® Polycrystalline Wool Blanket and CCEWOOL® Ceramic Fiber Blanket 2600 through cut, composite, and extrude according to a certain size. It is a high-temperature refractory lining product developed and manufactured specifically for 1200 to 1400 °C high temperature furnace.

Composite module B: All hot surfaces are CCEWOOL® Polycrystalline Wool Blanket, cold side CCEWOOL® Ceramic Fiber Blanket 2600.

This product greatly improves the utilization rate of Polycrystalline Wool Blanket, fully utilizing it on the firing side. This can increase the operating temperature of the module while not increase the usage of PCW



blanket. The advantages of Polycrystalline Wool Blanket are fully utilized and the service life of module is extended.

According to practical applications, the thickness of the hot surface Polycrystalline Wool Blanket layer can be adjusted to meet different furnace temperature requirements.

Composite Module C: The hot surface is red and is made of CCEWOOL® Polycrystalline Wool Blanket. It can fully utilize the high-temperature resistance performance of Polycrystalline Wool Fiber, and improve the service temperature and lifespan of the module. The cold surface is white and is made of CCEWOOL® Ceramic Fiber Blanket 2600. It can be hardened at high temperatures, to ensure a sturdy structure. The thickness of the hot surface Polycrystalline Wool Blanket layer can be adjusted to meet different furnace temperature requirements.

Characteristics:

Excellent thermal shock resistance;

Excellent chemical stability;

High-temperature stability;

Low thermal conductivity;

Low installation and repair costs.

Application:

Stress relieving furnaces;

Annealing furnaces;

Carbottom heat treating furnaces;

Process heaters;

Reheat furnaces;

Furnace, kiln and boiler linings;

Incineration equipment and stack linings;

Soaking pit covers;



Ladle covers;

Ladle preheaters;

Forge furnaces.

TDS

CCEWOOL® Polycrystalline Wool Fiber Module HD	
Classification Temperature (°C)	1600(2912°F)
Continuous Temperature Use Limit (°C)	1500(2732°F)
Chemical Composition(%)	
Al ₂ O ₃	71-73
SiO ₂	27-29
Leachable Chlorides	Trace
Color	White
Density (kg/m ³)	128/160/196 (8,10,12lb/ft ³)
Permanent Linear Shrinkage (%)	1400°Cx24h<1.0
Thermal Conductivity (W/m·K)	
400°C	0.09
600°C	0.16
800°C	0.22
1000°C	0.28
1200°C	0.36
1400°C	0.45

