

CCEWOOL® PUREWOOL Ceramic Fiber Blanket



Temperature Grades 1260°C (2300°F)
and 1430°C (2600°F)

CCEWOOL® PUREWOOL Ceramic Fiber Blanket is a premium product among refractory ceramic fibers. It is made from upgraded materials using high-purity alumina, zirconia, and silica

as raw materials. Due to its extremely low impurity content, this blanket is whiter in color. Ultra-long spun fibers are interlocked through a double-sided internal needle punching process, providing a tensile strength of up to 90KPa. With improvements made from the raw materials, CCEWOOL® PUREWOOL Ceramic Fiber Blanket offers a longer lifespan and superior thermal insulation performance. This insulation material is available in various thicknesses, widths, and densities to meet energy-saving requirements under different conditions.

Characteristics:

- Excellent handling strength;
- Excellent hot strength;
- Low thermal conductivity;
- Low heat storage;
- Light weight;
- Resiliency;
- Thermal shock resistance;
- High heat reflectance;
- Excellent corrosion resistance;
- Excellent thermal stability.



Applications:

Industrial furnace wall lining;

Back lining material;

Furnace masonry expansion joints, door, roof heat insulation seal;

High temperature pipe insulation material;

Module / folded module processing material;

Fireproof coating;

Steel industry;

Heat treating and annealing furnaces;

Furnace door linings and seals;

Soaking pit covers and seals;

Furnace hot face repairs;

Reheat furnaces;

Ladle covers;

Power generation;

Boiler Insulation;

Boiler Doors;

Reusable Turbine Covers;

Pipe Covering;

Insulation of Commercial Dryers and Covers;

Veneer Over Existing Refractory;

Stress Relieving Furnaces;

Glass Furnace Crown Insulation;

Fire Protection.

TDS:

CCEWOOL® PUREWOOL Ceramic Fiber Blanket		
Classification temperature	1260(2300°F)	1430(2600°F)

Operation Temp(°C)(°F)	1100°C(2012°F)	1350°C(2462°F)
Density (kg/m3)	96/ 128/ 160 (6,8,10lb/ft3)	
Shot Content(%)	≤12	
Color	White	
Chemical Composition of refractory ceramic blanket (%)		
Al2O3	≥44	≥35
SiO2	≥55	≥49
ZrO2	-	≥15
Permanent Change on Heating (%), EN1094-1		
After 24 hours		
®950°C (1742°F)	-	-
®1000°C (1832°F)	1.5	-
®1100°C (2012°F)	2	-
®1200°C (2192°F)	2.7	1
®1300°C (2372°F)	5.5	2
®1400°C (2552°F)		3
Tensile Strength(Kg/m3), EN1094-1 KPa		
64kg/m3(4lb/ft3)	-	-
96kg/m3(6lb/ft3)	60	60
128kg/m3(8lb/ft3)	90	90
160kg/m3(10lb/ft3)	130	130
Heat Conductive Co-efficient W/(m·k)(128kg/m3)		
200°C (392°F)	0.05	0.05
400°C (752°F)	0.08	0.08
600°C (1112 °F)	0.13	0.14
800°C (1472°F)	0.19	0.19
1000°C (1832°F)	0.25	0.25

Thickness	Density (kg/m3)				Length	Width
mm	64	96	128	160	mm	mm
6	-	-	○	○	7200	610, 1220
13	-	√	√	○	14640	
19	-	√	√	○	9760	
25	○	√	√	√	7320	
38	○	√	√	√	4880	
50	○	√	√	-	3660	

Thickness	Density (lb/ft3)				Length	Width
in	4#	6#	8#	10#	in	in
1/4"	-	-	○	○	300"	24", 48"
1/2"	-	√	√	○	600"	
3/4"	-	√	√	○	400"	
1"	○	√	√	√	300"	
3/2"	○	√	√	√	200"	
2"	○	√	√	-	150"	

Note: (√) is standard size, Custom size are available

