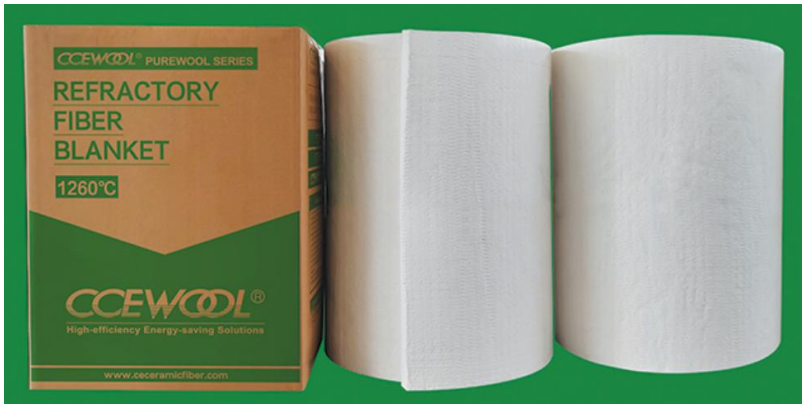
CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

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.

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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.

STD：

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

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Operation Temp(℃)(℉)	1100℃(2012℉)	1350℃(2462℉)
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℃ (1742℉)	-	-
®1000℃ (1832℉)	1.5	-
®1100℃ (2012℉)	2	-
®1200℃ (2192℉)	2.7	1
®1300℃ (2372℉)	5.5	2
®1400℃ (2552℉)		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℃ (392℉)	0.07	0.06
400℃ (752℉)	0.12	0.1
600℃ (1112 ℉)	0.2	0.15
800℃ (1472℉)	0.3	0.2
1000℃ (1832℉)	0.35	0.3

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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