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

CCEWOOL® Ceramic Fiber Blanket S

Temperature Grade 1260° C (2300° F) CCEWOOL® Ceramic Fiber Blanket S is a high-strength needled blanket made from classic series refractory ceramic fiber spun fiber. This product contains no organic binders. Manufactured through a unique internal needle punching process with tensile strength exceeding 75KPa, making it safe, stable, energy-efficient, and highly effective. CCEWOOL® Ceramic Fiber Blanket S insulation material offers a variety of thicknesse, width and density 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

Excellent sound absorption

Excellent fire protection

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Application:

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® Ceramic Fiber Blanket S	
Classification temperature	1260 (2300℉)

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Operation Temp(℃)(℉)	1050 (1922℉)
Density (kg/m3)	64/ 96/ 128/160(4,6,8,10lb/ft3)
Shot Content(%)	≤15
Color	White
Chemical Composition of refractory ceramic blanket (%)	
Al2O3	≥44
SiO2	≥52
ZrO2	-
Permanent Change on Heating (%), EN1094-1 After 24 hours	
®950℃ (1742℉)	-
®1000℃ (1832℉)	1.5
®1100℃ (2012℉)	2.5
®1200℃ (2192℉)	3
®1300℃ (2372℉)	-
®1400℃ (2552℉)	-
Tensile Strength(Kg/m3), EN1094-1 KPa	
64kg/m3(4lb/ft3)	35
96kg/m3(6lb/ft3)	55
128kg/m3(8lb/ft3)	75
160kg/m3(10lb/ft3)	110
Heat Conductive Co-efficient W/(m·k)(128kg/m3)	
200℃ (392℉)	0.07
400℃ (752℉)	0.12
600℃ (1112 ℉)	0.2
800℃ (1472℉)	0.3
1000℃ (1832℉)	0.45

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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