CCEWOOL Thermomax Inc.
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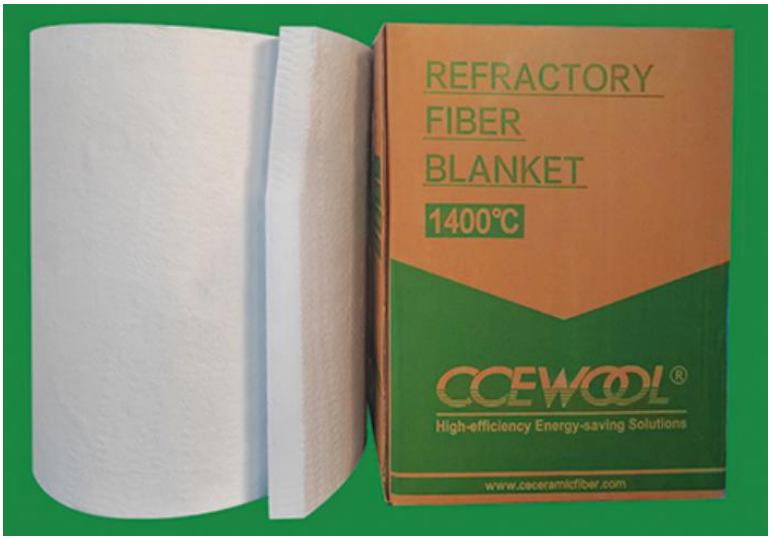
CCEWOOL® Ceramic Fiber Blanket LZ



Temperature Grade 1400°C (2550°F) CCEWOOL® Ceramic Fiber Blanket LZ is primarily made from refractory ceramic fiber spun fiber as raw material with properly amount of Zr2O3, double-sided internal needle punching process. It is a lightweight, flexible refractory fiber insulation material resistant to high temperatures up to 1400°C (2550°F). CCEWOOL® Ceramic Fiber Blanket LZ exhibit excellent toughness, elasticity, and workability, making them versatile high-temperature insulation products.

Characteristics:

High compressive strength and long service life;

Low heat capacity and low thermal conductivity;

Non-brittle material with good toughness;

Small dimensional tolerance and good flatness;

Easy to cut and install, convenient for construction;

Excellent resistance to wind erosion;

Continuous production with uniform fiber distribution and stable performance;

Excellent sound absorption and noise reduction performance.

Applications:

Industrial kiln linings and backing materials with a long-term operating temperature between 1150° C to 1250° C.

Insulation materials for industrial kiln expansion joints, furnace doors, and top covers.

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Insulation materials for high-temperature pipelines.

High-temperature insulation gaskets with a long-term operating temperature below 1250° C.

Raw materials for zirconia-alumina refractory ceramic fiber modules/folded blocks.

STD：

CCEWOOL® Ceramic Fiber Blanket LZ	
Classification temperature	1400 (2550℉)
Operation Temp(℃)(℉)	1200℃ (2192℉)
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	≥50
ZrO2	≥5
Permanent Change on Heating (%), EN1094-1 After 24 hours	
®950℃ (1742℉)	-
®1000℃ (1832℉)	-
®1100℃ (2012℉)	1.5
®1200℃ (2192℉)	2
®1300℃ (2372℉)	3
®1400℃ (2552℉)	-
Tensile Strength(Kg/m3), EN1094-1 KPa	
64kg/m3(4lb/ft3)	45
96kg/m3(6lb/ft3)	65
128kg/m3(8lb/ft3)	85

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160kg/m3(10lb/ft3)	125
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℉)	0.43

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