CCEWOOL Thermomax Inc.
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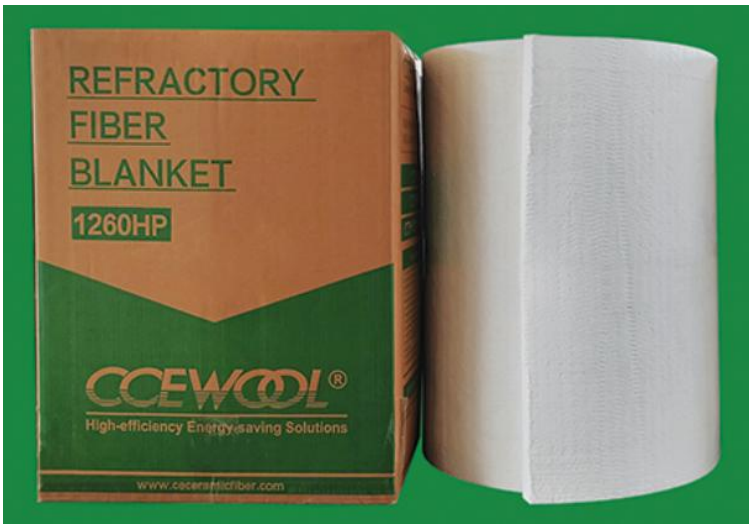
www.ccewool.com

CCEWOOL® Ceramic Fiber Blanket HPS



Temperature Grade 1260° C (2300° F) CCEWOOL® Ceramic Fiber Blanket HPS, purified from raw materials with fewer impurities, is made from high-purity refractory ceramic fiber spun fiber. Compared to RCF Blanket S, this product is whiter and has a lower thermal conductivity. It contains no organic binders. Manufactured through a unique internal needle punching process, with tensile strength exceeding 85KPa, providing higher performance and longer lifespan in applications involving heat flow or chemical corrosion. CCEWOOL® Ceramic Fiber Blanket HPS insulation material offers a variety of thickness, width, and density.

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

Application:

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Furnace, kiln, reformer and boiler linings;

Investment casting mold wrappings;

Removable insulating blankets for stress relieving welds;

Reusable insulation for steam and gas turbines;

Flexible high-temperature pipe insulation;

Pressure and cryogenic vessel fire protection;

High-temperature kiln and furnace insulation;

Furnace door linings and seals;

Soaking pit seals;

Furnace repairs;

Thermal reactor insulation;

Expansion joint seals;

Primary reformer header insulation;

High-temperature gasketing;

Glass furnace crown insulation;

Incineration equipment and stack linings;

Annealing cover seals;

High-temperature filtration;

Nuclear insulation applications;

Atmosphere furnace lining;

Field steam generator lining;

Chemical process heaters.

STD：

CCEWOOL® Ceramic Fiber Blanket HPS	
Classification temperature	1260 (2300℉)
Operation Temp(℃)(℉)	1100 (2012℉)
Density (kg/m3)	64/ 96/ 128/160(4,6,8,10lb/ft3)

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Shot Content(%)	≤15
Color	White
Chemical Composition of refractory ceramic blanket (%)	
Al2O3	≥44
SiO2	≥55
ZrO2	-
Permanent Change on Heating (%), EN1094-1 After 24 hours	
®950℃ (1742℉)	-
®1000℃ (1832℉)	1.5
®1100℃ (2012℉)	2.2
®1200℃ (2192℉)	3
®1300℃ (2372℉)	-
®1400℃ (2552℉)	-
Tensile Strength(Kg/m3), EN1094-1 KPa	
64kg/m3(4lb/ft3)	45
96kg/m3(6lb/ft3)	65
128kg/m3(8lb/ft3)	85
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℉)	0.4

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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