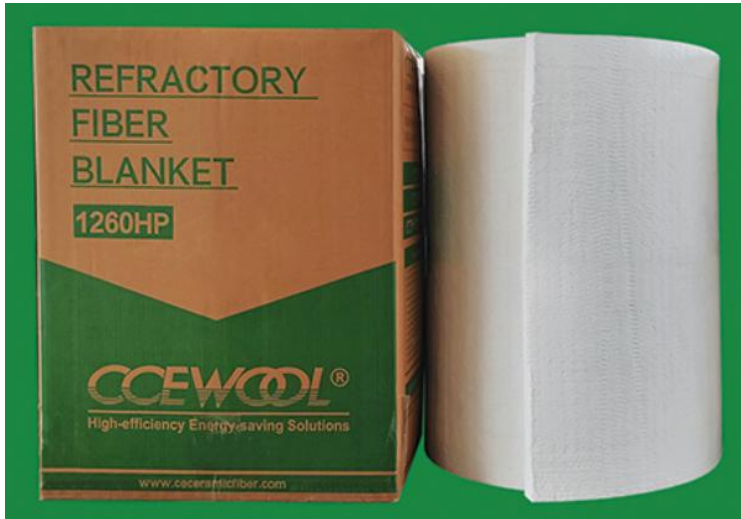


CCEWOOL® Ceramic Fiber Blanket HPS



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:



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.

TDS:

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

Shot Content(%)	≤15
Color	White
Chemical Composition of refractory ceramic blanket (%)	
Al ₂ O ₃	≥44
SiO ₂	≥55
ZrO ₂	-
Permanent Change on Heating (%), EN1094-1	
After 24 hours	
@950°C (1742°F)	-
@1000°C (1832°F)	1.5
@1100°C (2012°F)	2.2
@1200°C (2192°F)	3
@1300°C (2372°F)	-
@1400°C (2552°F)	-
Tensile Strength(Kg/m ³), EN1094-1 KPa	
64kg/m ³ (4lb/ft ³)	45
96kg/m ³ (6lb/ft ³)	65
128kg/m ³ (8lb/ft ³)	85
160kg/m ³ (10lb/ft ³)	125
Heat Conductive Co-efficient W/(m·k)(128kg/m ³)	
200°C (392°F)	0.07
400°C (752°F)	0.12
600°C (1112 °F)	0.2
800°C (1472°F)	0.3
1000°C (1832°F)	0.4

Thickness	Density (kg/m ³)				Length	Width
	64	96	128	160		
mm	64	96	128	160	mm	mm
6	-	-	○	○	7200	610, 1220
13	-	√	√	○	14640	
19	-	√	√	○	9760	
25	○	√	√	√	7320	
38	○	√	√	√	4880	
50	○	√	√	-	3660	

Thickness	Density (lb/ft ³)				Length	Width
	4#	6#	8#	10#		
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

