

CCEWOOL® Ceramic Fiber Wrap



Temperature Grade: 1260°C (2300°F),
1400°C (2550°F), 1430°C (2600°F)

CCEWOOL® Ceramic Fiber Wrap is a refractory ceramic fiber aluminum foil blanket primarily used in areas that require fire resistance and insulation in construction, such as fire protection ducts, exhaust pipes, and chimneys. It utilizes European standard aluminum foil with thin foil thickness and

one-time bonding without the use of adhesives, making it less prone to delamination and ensuring good adhesion between CCEWOOL refractory ceramic fiber blankets and aluminum foil. This product features easy installation and durability.

CCEWOOL® Ceramic Fiber Wrap refractory ceramic fiber aluminum foil blankets can be customized to different sizes and bulk densities based on the specific requirements of the customer's application location.

Characteristics:

- Excellent chemical stability;
- Excellent thermal stability;
- Excellent tensile strength;
- Low thermal conductivity;
- Low heat capacity;
- Excellent insulation properties;
- Good sound insulation

Application:

Cable bracket, duct



Railroad oil tanker

Vessel

Vessel wall and board

Expansion joint

Structural steel panel

Seals for fireproof door

Electric circuit protection

Chimney liner insulation

General high temperature insulation, exhaust ducts of commercial and industrial application

High temperature ventilation ducts, kitchen exhaust hoods and fume pipes, supply and exhaust air vents

Fire protection, Ships engine rooms, exhaust chimneys

Air ventilation duct enclosure, through penetration fire stop systems

Electrical ducts, protection of electrical wiring

TDS

CCEWOOL® Ceramic Fiber Wrap				
Classification temperature	1260 (2300°F)	1260 (2300°F)	1400 (2550°F)	1430HZ (2600°F)
Operation Temp(°C)(°F)	1050 (1922°F)	1100 (2012°F)	1200°C (2192°F)	1350°C (2462°F)
Density (kg/m3)	64/ 96/ 128/160(4,6,8,10lb/ft3)			
Aluminum foil thickness (mm)	0.12			
Chemical Composition of refractory ceramic blanket (%)				
Al2O3	≥44	≥44	≥44	≥35
SiO2	≥52	≥55	≥50	≥49
ZrO2	-	-	≥5	≥15
Permanent Change on Heating (%), EN1094-1 After 24 hours				
@1000°C (1832°F)	1.5	1.5	-	-

®1100°C (2012°F)	2.5	2.2	1.5	-
®1200°C (2192°F)	3	3	2	1
®1300°C (2372°F)	-	-	3	2
®1400°C (2552°F)	-	-	-	3
Tensile Strength(Kg/m3), EN1094-1 KPa				
64kg/m3(4lb/ft3)	35	45	45	-
96kg/m3(6lb/ft3)	55	65	65	65
128kg/m3(8lb/ft3)	75	85	85	85
160kg/m3(10lb/ft3)	110	125	125	125
Heat Conductive Co-efficient W/(m·k)(128kg/m3)				
200°C (392°F)	0.07	0.07	0.07	0.06
400°C (752°F)	0.12	0.12	0.12	0.11
600°C (1112 °F)	0.2	0.2	0.2	0.16
800°C (1472°F)	0.3	0.3	0.3	0.23
1000°C (1832°F)	0.45	0.4	0.43	0.35

