

CCEWOOL® PUREWOOL series ceramic fiber blanket

Description:

CCEWOOL® PUREWOOL series ceramic fiber blanket is the masterpiece of ceramic fiber products. Adopting purer material--alumina, zirconia, monox, Purewool series ceramic fiber blanket is whiter and the tensile strength could reach 0.08MPa. What's more, Purewool series ceramic fiber blanket has longer service life and better insulation property due to the improved raw material.

Characteristics:

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

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

Technical data:

CCEWOOL® PUREWOOL series ceramic fiber blanket			
Classification Temperature		1260 PST (2300°F)	1430 PHZ (2600°F)
Operation Temp(°C)		1100	1350
Density (kg/m3)		96/128/ 160	
Permanent Change on Heating (%), EN1094-1			
After 24 hours	@950°C	-	-
	@1000°C	1.5	-
	@1100°C	2	-
	@1200°C	2.7	1
	@1300°C	5.5	2
	@1400°C		3
Tensile Strength(Kg/m3), EN1094-1 KPa			
Density	96kg/m3	60	60
	128kg/m3	85	85
	160kg/m3	120	120

Heat Conductive Co-efficient W/(m·k)(128kg/m ³)			
Temperature	@200℃	0.07	0.06
	@400℃	0.12	0.1
	@600℃	0.2	0.15
	@800℃	0.3	0.2
	@1000℃	0.35	0.3
Chemical Composition of ceramic blanket (%)			
Al ₂ O ₃		45-46	35-38
Al ₂ O ₃ +SiO ₂		≥99	-
ZrO ₂		-	15-17
Al ₂ O ₃ +SiO ₂ +ZrO ₂		-	≥99
Fe ₂ O ₃		≤0.15	≤0.2
Na ₂ O+K ₂ O		≤0.2	≤0.2
CaO+MgO		≤0.1	≤0.1

Size:

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

Note:

(○) and 1220mm width can be customized according to customer (order amount should not be less than the minimum order quantity)

(√) for conventional products