

CCEWOOL® Purewool series wall hung used ceramic fiber board

Description:

CCEWOOL® Purewool series wall hung used ceramic fiber board is an ultra thin ceramic fiber board made from 9 shot-removal process, enjoys a series of characteristics like low shot content, uniform density and thickness, rigid, smooth surface. CCEWOOL wall hung used ceramic fiber board is easy for machining and cutting, all physical properties are better than regular made ceramic fiber board. Compared with the normal ceramic fiber boards of the same density, they are 20% harder. This product is customized for wall hung furnace manufacturers, a range of specifications and shapes are available.

Characteristics:

- Low heat capacity, low thermal conductivity;
- Non-brittle material, good elasticity;
- High compressive strength;
- Excellent wind-erosion resistance, long service life;
- Excellent thermal stability and thermal shock resistance;
- Continuous production, even fiber distribution and stable performance;
- Good sound insulation;
- Good anti-stripping properties;
- Easily molded or cut, easy to install;
- Accurate sizes and good flatness

Application:

Wall hung furnace, gas boiler heat insulation and refractory

Technical data:

CCEWOOL® Purewool series wall hung used ceramic fiber board					
Classification temperature	1050 (1920°F)	1260 STD (2300°F)	1260 HP (2300°F)	1400 (2550°F)	1430 HZ (2600°F)
Operation Temp °C	950	1050	1100	1200	1350
Permanent Linear Change on Heating (%)					
@950C,24hrs	4	-	-	-	-
@1200C,24hrs	-	3	3	-	-

@1300C,24hrs	-	-	-	3	-
@1350C,24hrs	-	-	-	-	3
Thermal Conductivity (w/m.k)					
600°C	0.13	-	-	-	-
800°C	0.2	0.13	0.13	0.12	0.16
1000°C	-	0.19	0.19	0.2	0.2
Rupture Strength (Mpa)					
Thickness≤25mm	0.5	0.5	0.5	0.5	0.5
Thickness>25mm	0.2	0.2	0.2	0.2	0.2
Chemical Composition (%)					
Al ₂ O ₃	37	46	46-49	52-55	39-40
Al ₂ O ₃ +SiO ₂	96	97	99	99	-
ZrO ₂	-	-	-	-	15-17
Al ₂ O ₃ +SiO ₂ +ZrO ₂	-	-	-	-	99
Fe ₂ O ₃	≤1.0	≤0.8	≤0.2	≤0.2	≤0.2
Na ₂ O+K ₂ O	≤0.8	≤0.5	≤0.2	≤0.2	≤0.2
Package	Carton box or pallet				

Size:

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Thickness (mm)	10
Density (kg/m ³)	320/350
Size (mm)	1200*1000 or customized size