

CCEWOOL® Ceramic Fiber Blanket DB



Temperature Grade 1100°C (2012°F)

CCEWOOL® Ceramic Fiber Blanket DB is a new type backing refractory insulation material in white appearance, uniform dimensions, and combines fire resistance, insulation, and thermal retention functions in one, without any binders. Refractory Ceramic fiber blankets are unaffected by oil erosion and can quickly regain their thermal performance and physical

characteristics after drying. It is primarily used for furnace lining insulation and is an economically effective insulation filling material. The installation speed of CCEWOOL® Ceramic Fiber Blanket DB can be four times faster than regular block insulation materials and comes at a competitive price compared to mineral wool.

Characteristics:

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

Application:

- Back-up for lining systems
- Filler for insulating pads
- Expansion joint material



TDS:

CCEWOOL® Ceramic Fiber Blanket DB	
Classification temperature	1100℃ (2012°F)
Operation Temp(℃)(°F)	982 (1800°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	≥43
SiO ₂	≥52
ZrO ₂	-
Permanent Change on Heating (%), EN1094-1	
After 24 hours	
®950℃ (1742°F)	≤-3
®1000℃ (1832°F)	-
®1100℃ (2012°F)	-
®1200℃ (2192°F)	-
®1300℃ (2372°F)	-
®1400℃ (2552°F)	-
Tensile Strength(Kg/m3), EN1094-1 KPa	
64kg/m3(4lb/ft3)	28
96kg/m3(6lb/ft3)	45
128kg/m3(8lb/ft3)	70
160kg/m3(10lb/ft3)	-
Heat Conductive Co-efficient W/(m·k)(128kg/m3)	
200℃ (392°F)	0.07
400℃ (752°F)	0.12
600℃ (1112 °F)	0.2

800°C (1472°F)	0.35
1000°C (1832°F)	-

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

