

CCEWOOL® Low Biopersistent Fiber Blanket 2372



Temperature Grade 1300°C (2372°F)

CCEWOOL® Low Biopersistent Fiber Blanket 2372 is the latest development in soluble fiber blankets, manufactured using proprietary fiberization technology, offering a classification temperature of 1300°C with a long-term usage temperature of up to 1200°C.

CCEWOOL® Low Biopersistent Fiber Blanket 2372 has a slag content of less than 5%, and compared to

traditional soluble fiber blankets, it has a fiber content exceeding 30%, resulting in lower thermal conductivity and superior tensile strength. It exhibits outstanding chemical stability and is unaffected by most chemicals except for hydrofluoric acid, phosphoric acid, and concentrated alkalis. It is an energy-saving solution that enhances application efficiency and reduces emissions. It's certified by Fraunhofer laboratory.

Characteristics:

Slag ball content less than 5%, extremely low thermal conductivity;

Fiber content exceeding 30%;

Low heat storage;

High tensile strength;

Excellent thermal shock resistance;

Lightweight;

Outstanding corrosion resistance.

Application:

High-temperature furnace and kiln linings;

Furnace door linings and seals;



Boiler insulations;

Pipe and duct insulation;

Heat shields;

Seals and gaskets;

Carbon baking furnace covers;

Glass tank crown insulation;

Expansion joints.

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CCEWOOL® Low Biopersistent Fiber Blanket 2372		
Classification Temperature (°C)(°F)	1300°C(2372°F)	
Chemical Composition (%)		
SiO ₂	≥70	
CaO	-	
MgO	-	
CaO+MgO	≥20	
Color	Light Bluish	
Shot Content (%)	≤12	
Density (kg/m ³)(4lb/ft ³)	96(6lb/ft ³)	128(8lb/ft ³)
Tensile Strength (kPa)	55	75
Permanent Linear Shrinkage (%)	1300°C x 24h ≤3.0	
Thermal Conductivity (W/m·K)		
200°C	0.05	0.04
400°C	0.1	0.08
600°C	0.18	0.14
800°C	0.3	0.22
1000°C	0.46	0.33
1200°C	0.68	0.46

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

Thickness	Density (lb/ft ³)			Length	Width
	in	6#	8#		
1/2"	√	√	○	600"	24", 48"
3/4"	√	√	○	400"	
1"	√	√	√	300"	
3/2"	√	√	√	200"	
2"	√	√	-	150"	

Note: (√) is standard size, Custom size are available

