CCEWOOL Thermomax Inc.
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CCEWOOL® 1900 LTC Fiber Board

Temperature Grade 1900℉, 2600℉

CCEWOOL® 1900 LTC Fiber Board, independently developed by our company, combining micro-nano technology and infrared shielding technology, achieves lower thermal conductivity and better insulation performance. Its thermal insulation performance is 20-50% better than traditional lightweight fire-resistant materials. The thermal insulation principle of CCEWOOL® 1900 LTC Fiber Board is through compositing refractory ceramic fiber and high efficient thermal insulation agent to reduce heat conduction, heat convection and heat radiation, thus resulting in lower thermal conductivity.

CCEWOOL® 1900 LTC Fiber Board provides high strength stability and excellent workability. We can produce water repellent ultra low thermal conductivity board which has good water resistance, so the board will not absorb the moisture of adjacent fire-resistant materials. Due to its ultra-low thermal conductivity it has better thermal insulation performance than most of the other insulation materials on market, it will surely replace most of the refractory ceramic fiber boards in future.

Characteristics:

Ultra-low thermal conductivity;

Low thermal storage;

High tensile strength;

Excellent thermal shock resistance;

Excellent corrosion resistance.

Application:

Refractory Lining;

Back lining insulation for dense refractory materials;

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Back ling insulation for refractory bricks and castables;

Hot surface lining of ceramic kilns, box furnaces, and petrochemical furnace;

Used in industrial heat processing equipment;

Rigid high-temperature sealing gasket;

High temperature shields;

Insulation lining for flues and chimneys;

Molten metal tank covers;

Hot gas pipe lining;

Expansion joints;

Industrial insulation covers and insulation layers;

Industrial combustion chamber;

Light industrial combustion chamber.

TDS

CCEWOOL® 1900 LTC Fiber Board		
Product Name	1900 LTC	2600 LTC
Theoretical Bulk Density (Kg/m3)	300	320
Cold Compressive Strength (MPa)	≥0.15	
Compressive Strength After Heating (MPa)	≥0.1	
Permanent Linear Change After Heating (%)	≤3(1050℃×24h)	≤3(1200℃×24h)
Thermal Conductivity W/(m·K)	0.09(Average 500℃)	0.1(Average600℃)
Regular Size (L×W×T)mm	900×600×25/50mm (35”×24”×1”/2”) 1200×600×25/50mm (47”×24”×1”/2”)	