

CCEWOOL® 1900 Back-Up Board for Fabrication



Classification Temperature: 1900°F (1050°C),
2100°F (1150°C)

Chemical Composition: Alumina, Silica

CCEWOOL® 1900 Back-Up Board for Fabrication is an engineering-grade ceramic fiber board developed for backup insulation in industrial furnace lining systems. Made from high-purity aluminosilicate ceramic fiber and selected refractory raw materials, it is produced through continuous forming,

pressing, curing, and precision cutting to provide a stable rigid structure.

With low thermal conductivity and low heat storage, the board helps reduce furnace shell temperature and heat loss while improving overall thermal efficiency. Compared with conventional industrial fiber boards, its more uniform fiber distribution and stable structure provide reliable long-term backup insulation performance.

The board features a uniform structure, flat surface, accurate dimensions, good mechanical strength, and thermal shock resistance. It is also designed for Fabrication applications and supports cutting, drilling, grooving, and custom-shaped machining according to equipment structures and drawings, with customized dimensions and thicknesses available.

CCEWOOL® 1900 Back-Up Board for Fabrication provides a reliable and flexible backup insulation solution for industrial furnaces and high-temperature equipment.

Characteristics:

Low heat capacity and low thermal conductivity;

High compressive strength;
Non-brittle with good resilience;
Accurate dimensions and good flatness;
Easy to form, cut, and install;
Uniform fiber distribution and stable performance;
Excellent thermal stability and thermal shock resistance.

Applications:

Backup insulation for cement and building-material kilns;
Backup insulation for ceramic kilns;
Backup and wall insulation for petrochemical and metallurgical furnaces;
Wall and backup insulation for glass furnaces;
Backup insulation for heat-treatment furnaces;
Refractory brick backup insulation in aluminum electrolytic cells;
Wall and backup insulation for high-temperature reaction and heating equipment.

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Classification Temperature	1900°F (1050°C)	2100°F (1150°C)
Continuous Temperature Use Limit (°C)	1750°F (950°C)	1850°F (1000°C)
Color	White	White
Modulus of Rupture (MPa)	≥0.3	≥0.3
Compressive Strength (MPa, 10% relative deformation)	≥0.1	≥0.2
Loss on Ignition (%)	≤7	≤7
Permanent Linear Shrinkage (%)	950°Cx24h≤2.0	1000°Cx24h≤2.0
Thermal Conductivity (W/m·K)		
800°C	≤0.116	-
1000°C	--	≤0.135