

CCEWOOL® Calcium Silicate Board Custom Shapes



Temperature Grade: 1050°C (1922°F)

CCEWOOL® Calcium Silicate Board custom shapes are made from hardened calcium silicate hydrate and high-strength reinforcing fibers, are asbestos-free, and eco-friendly. They exhibit excellent heat resistance, withstanding temperatures up to 1050°C (1922°F), making them an energy-efficient insulation solution.

Thanks to their outstanding thermal insulation performance and stability, these components are widely used in industries such as petroleum, chemical, building materials, light industry, machinery, metallurgy, power, and aluminum production. They provide reliable thermal insulation protection for various high-temperature equipment, effectively enhancing energy efficiency and helping enterprises save energy and boost productivity.

Characteristics:

Excellent Durability;

Remarkable Insulation Performance;

Lightweight with High Specific Strength;

Outstanding Corrosion Resistance;

Easy Operation;

Safe and Environmentally Friendly;

Excellent Water Resistance.

Application:

Metallurgical Industry: Heating furnaces, homogenizing furnaces, annealing furnaces, high-temperature flues, and hot air ducts.



Petrochemical Industry: Heating furnaces, ethylene cracking furnaces, hydrogenation furnaces, and catalytic cracking furnaces.

Cement Industry: Rotary kilns, decomposition kilns, preheaters, air ducts, kiln hoods, and coolers.

Ceramic Industry: Tunnel kilns, including the car core and car board components of tunnel kilns.

Glass Industry: Furnace bottoms and walls of melting furnaces.

Electric Power Industry: Preheating furnace ducts.

Non-Ferrous Metals Industry: Electrolysis cells.

TDS

CCEWOOL® Calcium Silicate Board Custom Shapes	
Classification Temperature	1050°C(1922°F)
Density (kg/m ³)	220±10%
Compressive Strength (Mpa)	≥0.6
Flexural Strength (Mpa)	≥0.45
Thermal Conductivity (w/m.k)	
100°C	≤0.056
200°C	≤0.067
Permanent Linear Shrinkage after 12hrs (%)	
1000°C	≤2

