

CCEWOOL® HD Calcium Silicate Board Custom Shapes



Temperature Grade: 1000°C (1832°F), 1100°C (2012°F)

CCEWOOL® HD Calcium Silicate Board custom shapes are specifically designed for the non-ferrous metals industry, suitable for the conveyance, shipment, and forming of molten aluminum and other non-ferrous metals, and are

also widely used in glass industry molds. The material not only offers excellent thermal insulation but also superior anti-aluminum adhesion properties. Moreover, its high strength and excellent machinability enable processing on CNC machines into high-precision dimensions and complex components to meet diverse needs.

CCEWOOL® HD Calcium Silicate Board Custom Shapes are available in two types: glass fiber reinforced and carbon fiber reinforced, each providing optimal support for different working conditions.

Characteristics:

Low Thermal Conductivity;

Anti-Aluminum Adhesion;

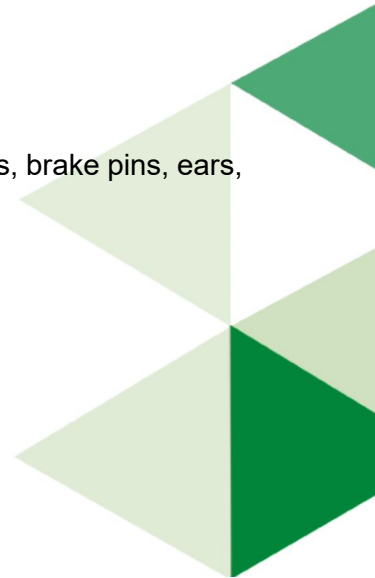
Thermal Shock Resistance;

Superior Machinability;

Safe and Eco-Friendly.

Application:

Ladle insulation panels, automotive glass molds, drip tubes, flow tubes, hot top rings, brake pins, ears, floats, and flow channels.



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CCEWOOL® HD Calcium Silicate Board Custom Shapes		
Type	FG-N14	CF-N17
Classification Temperature	1000°C(1832°F) - 1100°C(2012°F)	1000°C(1832°F) - 1100°C(2012°F)
Operation Temperature	850°C(1562°F)	850°C(1562°F)
Density (kg/m³)	800-1000±10%	800-1000±10%
Flexural Strength (Mpa)	≥6.5	≥11
Compressive Strength (Mpa, 5% relative deformation)	≥15	≥25
Thermal Conductivity (w/m.k)		
400°C	≤0.13	≤0.11
800°C	≤0.18	≤0.13
Linear Shrinkage (%)	0.2 (850°C/3Hrs)	0.2 (850°C/3Hrs)

