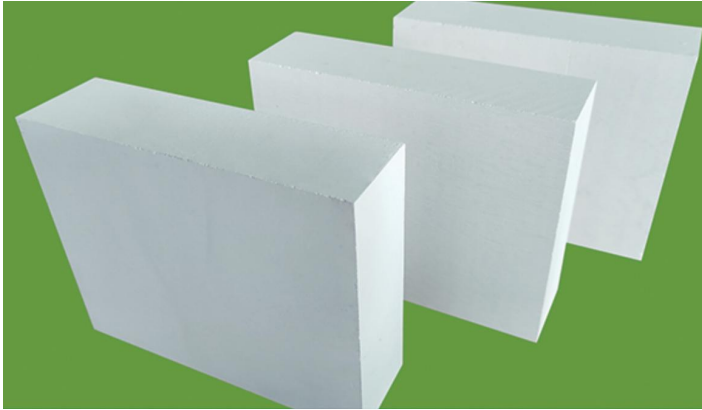


## CCEWOOL® HD Calcium Silicate Board



Temperature Grade: 1000°C (1832°F)

CCEWOOL High-Density Calcium Silicate Board is a specialized refractory board developed for the non-ferrous metal industry, with a density up to 1000kg/m<sup>3</sup>, compressibility up to 20Mpa, making it highly suitable for high-temperature areas that need to withstand

certain pressures. And it has an exceptionally long service life. CCEWOOL High-Density Calcium Silicate Board comes in two types: glass fiber-reinforced and carbon fiber-reinforced, and can be custom-made into various shapes according to customers' drawings.

CCEWOOL® High-Density Calcium Silicate Board is characterized by its high resistance to metal melts wetting, especially non-ferrous metal melt and glass melt. It finds wide application in demanding environments that requires high temperature resistance, high thermal shock resistance, and high corrosion resistance.

CCEWOOL® High-Density Calcium Silicate Board boasts low thermal conductivity, excellent thermal stability, high resistance to infiltration and corrosion, as well as outstanding machining properties. It can be used to manufacture various components for the non-ferrous metal industry, including but not limited to: crucibles, runners, hot top rings, brake pins, lugs, floaters, continuous casting nozzles, cushion plates, in-groove storage for flow channels, machined vertical pipes, front boxes, and molds for the glass industry, as well as grates for the aluminum industry, aluminum melt spouts, pour spout liners, and aluminum industry transition plates.

CCEWOOL® High-Density Calcium Silicate Board can directly contact aluminum melt, and aluminum melt does not adhere to it, offering a lifespan five times longer than ordinary materials. It can withstand

temperatures of up to 1000°C (1832°F).

**Characteristics:**

1. Stable Heat Resistance
2. Excellent Insulating Properties
3. Outstanding Thermal Shock Resistance
4. High Strength and Long Service Life
5. Non-Wetting by non-ferrous metal melt such as aluminum melt
6. Exceptional Corrosion Resistance

**Application:**

1. Aluminum melt spout
2. Aluminum melt transfer plate
3. Aluminum melt grate plate
4. Steel Ladle
5. Automotive glass mold
2. High density calcium silicate crucible spout
3. High density calcium silicate flow tube
4. Hot top ring
5. Brake Pin
6. Fire door frame, fire door edge, fire door jamb

**TDS**

<b>CCEWOOL® HD Calcium Silicate Board</b>			
Items	Unit	Glass Fiber Reinforced	Carbon fiber reinforced
Density	Kg/m3	800 - 1100	800 - 1100
Compressive strength	Mpa	≥17	≥18

Flexural Strength		Mpa	≥8.5	≥8.5
Thermal conductivity	200°C	w/m.k	≤0.125	≤0.14
	400°C		≤0.142	≤0.15
	500°C		≤0.143	≤0.15
Temp.Limit		°C	1000	1000
Linear Shrinkage		%	length and width: 0.45, height: 1.65	length and width: 0.31, height: 1.61
			(850°C3Hrs)	(850°C3Hrs)

