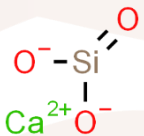


CALCIUM SILICATE

1. Basic Information

Product Name	Calcium Silicate
Structural Formula	
Molecular Formula	CaO ₃ Si
CAS No.	10101-39-0
EC No.	233-250-6
Description	Calcium Silicate is a lightweight insulation board formulated without the addition of asbestos. In term of thermal conductivity, mechanical characteristics, high temperature stability and workability, calsil represents the ultimate choice in low-density Calcium Silicate.
Advantages and properties	Low thermal conductivity, high thermal resistance, low thermal shrinkage, low bulk density, no known hazards, easy to work and handle. The manufacturing process of Calcium Silicate guarantees consistent quality above requirements of ASTM and DIN standards.

2. Specifications

Items	Specification
Classification Temperature	1000°C
Bulk Density	245 kg/m ³
Cold Crushing Strength (N/mm ²)	1.4
Shrinkage	1000°C 12h-1.3% 1050°C 12h-1.3%
Reversible thermal expansion (m/mK)	5.4 x 10 ⁻⁶
Specific heat capacity (kJ/kg K)	1.03

TECHNICAL SPECIFICATION

Tolerances	Length and width (mm) +/- 1.5 Thickness
Thermal conductivity λ - 200°C - 400°C - 600°C - 800°C	W/mK - 0.07 - 0.10 - 0.14 - 0.17

3. Additional Information

N/A
