

Calcium Silicate Board

Description

INSUL – Cal Sil board is free of asbestos suitable for industrial applications to withstand temperatures of up to 1100°C. It is manufactured from SiO₂ and CaO, which are recognized as not being harmful to health. The product is not subject to marking according to regulations to hazardous substance.

Classifications

INSUL – CALSIL 1000

INSUL – CALSIL 1100

Features

Low thermal conductivity
Low heat storage
Low shrinkage
Excellent strength
Lightweight
Cut easily
Asbestos free

Applications

Cement industry
Ceramic
Power plant
Metallurgy
Nonferrous metals
Building material

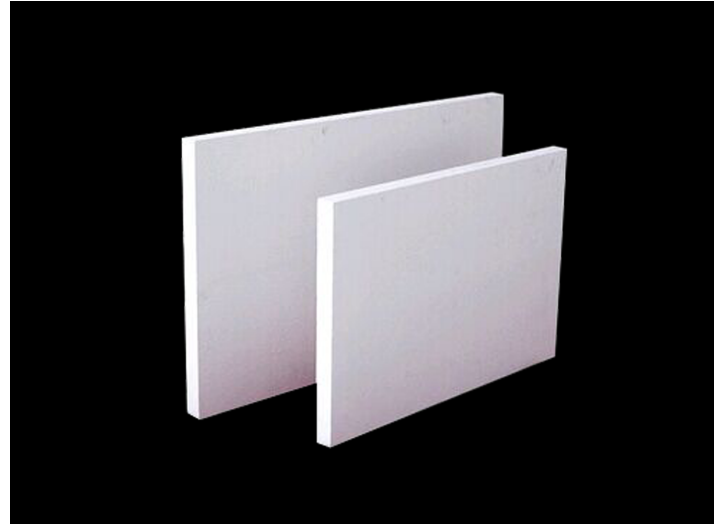
Specifications

25 x 500 x 1000mm

50 x 500 x 1000mm

75 x 500 x 1000mm

Other specification is available according to customer's requirement.



Classification	CALSIL 1000	CALSIL 1100
Classification Temp(°C)	1000	1100
Color	White	White
Density(kgs/m ³)	200-270	230-300
Shrinkage On Heating(%)	≤2	≤2
	(1000°C x 16h)	(1050°C x 12h)
Thermal Conductivity (W/m.K,250kg/m ³)		
200°C	0.08	0.09
400°C	0.09	0.11
600°C	0.14	0.16
800°C		0.22
Compressive Strength(Mpa)	≥0.65-1.0	≥0.8-1.1
Loss On Ignition(%)	8-11	6-7
Chemical Composition(%)		
SiO ₂	46-48	47-48
CaO	39-41	44-45
Al ₂ O ₃	0.39-0.42	0.3-0.4
MgO	0.5-0.7	0.5-0.7
Fe ₂ O ₃	0.3-0.4	0.3-0.4
Na ₂ O+K ₂ O	0.9-0.12	0.9-0.12