Calcium silicate board

Calcium silicate board is a new type of green environmental protection board with excellent performance for building and industry. It is an ideal decorative slab for ceiling and partition with excellent fireproof, moisture-proof, soundproof, Insect-resistant ant and durable features.

Its main raw materials are high-purity quartz powder, high-grade cement, high-purity slaked lime, plant fiber and other minerals. According to a certain proportion of raw materials, the board is made through hatschek or flow slurry production technology , molding and autoclaved curing processes.

Specification:

Thickness(mm)	Width(mm)	Length(mm)
4-30	1220	2440、3000
REMARK: We can also supply other specification as the clien's specially requirement.		

Tolerance dimension:

Item(mm)		Requirement(mm)
Length	＜1220	±3
	1220- 2440	±4
	＞2440	±5
Width	⩽1220	±3
	＞1220	±4
Thickness	⩽8	±0.3
	8-12	±0.5
	⩾12	±0.8

Physical properties:

Item(mm)			Unit	Requirement
Density			g/cm^3	1.2-1.6
Thermal conductivity			w/(m•k)	⩽0.29
Water absorption			%	⩽40
Water contain			%	⩽10
Moisture movement			%	⩽0.25
Non-combustibility			GB8624 class A	
Beding strength	Oven dry	Cross	Mpa	⩾12
		Parallel	Mpa	⩾9

Product features

Class A fire classification,low conductivity

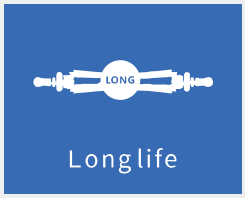
In semi-open air and high temperature environment, it can still maintain stable performance without sinking or deformation.

Low thermal conductivity, good heat insulation performance

Light weight material, high bending strength, can effectively increase the space of the house

Dry operation mode, keel with board installation and construction is simple, fast speed

Environment protection building material, the board will not burn and produce toxic smoke in fire



Acid and alkali resistance, corrosion resistance, and will not be damaged by moisture or insects and ants

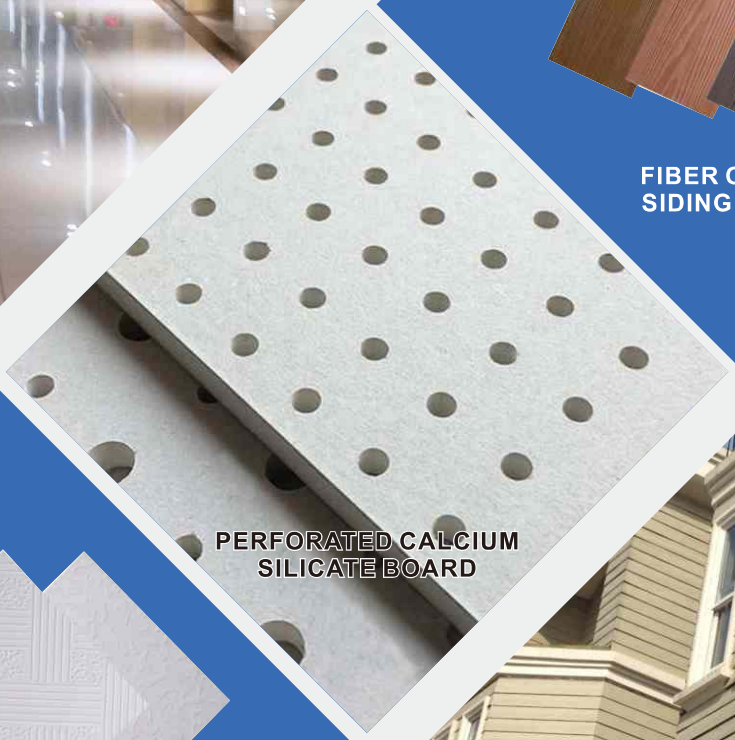
Can be with drilling, carving, brick nailing, finishing, pasting ceramic tile, wall cloth and other materials according to the actual situation

Product application

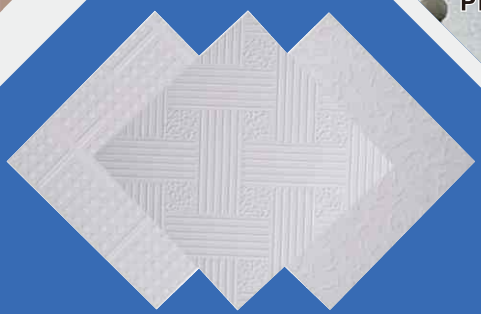
calcium silicate board can be used for all kinds of ceiling,partition, EPS board surface panel and composite wall board bottom panel and etc.It is widely used in offices, hotels, hospitals, factory buildings, schools, villas, theaters and various art buildings.

Related Products

FIBER CEMENT
SIDING BOARD

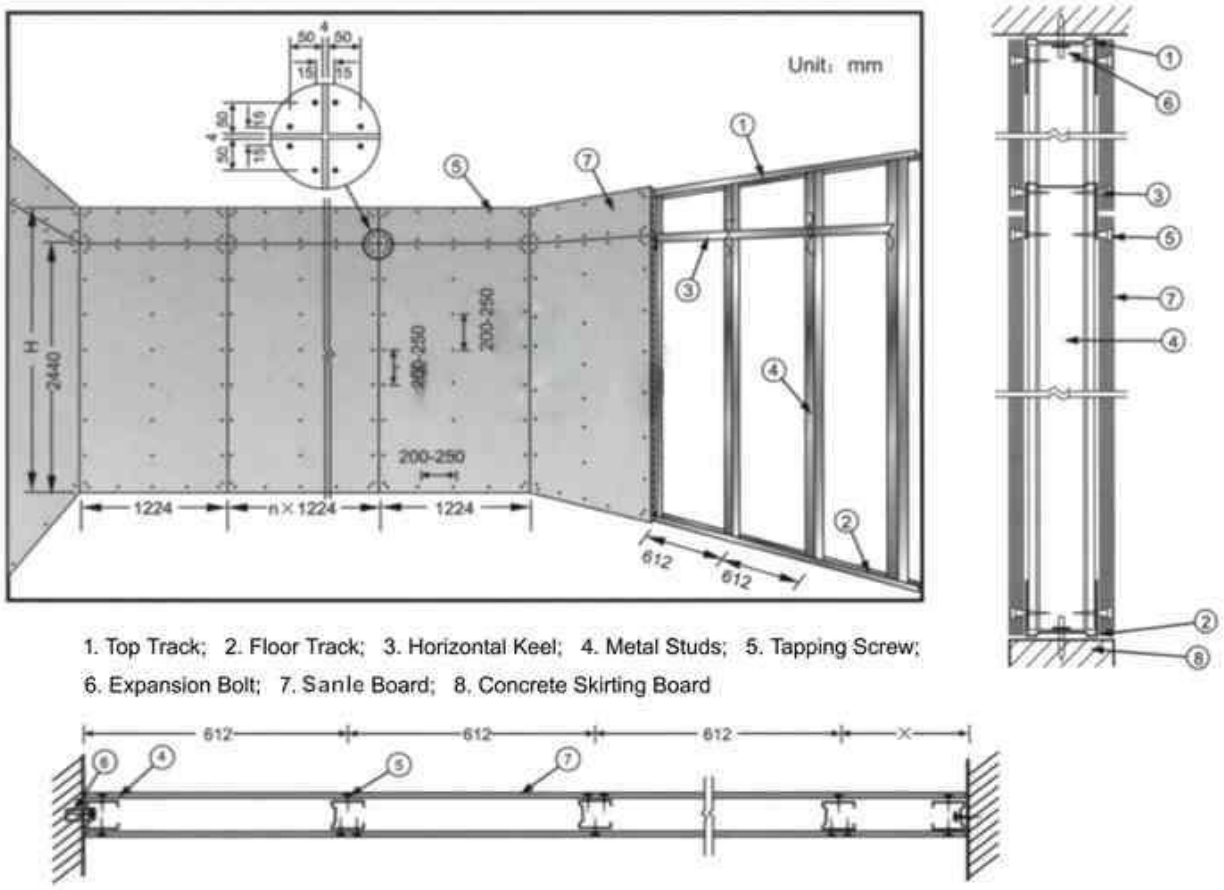


PERFORATED CALCIUM
SILICATE BOARD



CALCIUM SILICATE
CEILING TILES

Partition Wall Installation



1. The top and bottom keels are fixed respectively top floor and on floor with expansion bolts.
2. The vertical keel should be aligned well according to the requirement(generally being 612 mm) with laterally supporting keel installed.
3. Cutting the board material to the dimensions needed (about 10mm lower than wall height)
4. Board material is fixed on keel in anchoring seam way with tapping screw: the interval of tapping screw is generally about 200~250mm with screws sinking 0.5mm under the board face.
5. The expansion seam of about 4mm between boards should be kept.
6. The shrouding should be fixed from the middle to the four sides and cannot be operated at multipoint simultaneously to avoid generating inner stress to make board material bucking.
7. Before board being packaged and fixed, depending the needs, glass cotton or rock cotton can be filled.

Ceiling Installation

1.Carry out ceiling line-
measuring to determine the ceiling's fixed position, the boom's central range is generally 1200.
2.Connect and fix the boom and main keel with hanging piece to make the main keel keep level position.
3.Vertically fix the sub-keel to the main keel with hanging piece; the sub-
keel axis'central range is 612mm.
4.Install the laterally supporting keel properly, its centralranges is 1224mm.
5.Fix the board on sub-keels with tapping screws, and to well the seam-connecting treatment.