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**WALL PANEL**

# WALL PANEL SIMPLES

## Engineering Board



### DESCRIPTION

The engineering sheets are fully compressed, autoclaved, high-quality silicate fibre cement sheets, manufactured from a homogeneous mixture of Portland cement, high-purity quartz sand, natural organic fibers and selected mineral fillers. The formulation does not contain asbestos. The fair face is covered with a smooth semi-matt mineral enamel, without distortion or rippling.

### SPECIFICATIONS

Length: 2440--5000mm  
Thickness: 6-50mm  
Thickness:  $\pm 3.0$ mm  
Width: 1220mm  
Tolerance: length/width:  $\pm 3.0$ mm

### APPLICATION

The engineering sheets are ideal for the cladding of external and internal walls of new buildings and for the renovation of old buildings. Engineering sheets are also suitable for the following application:

- Ceiling
- internal partition
- noise insulation wall in civil, commercial and industrial building



### SPECIFIC PROPERTIES

- Weather proof (frost resistant)
- good mechanical resistant and rigidity
- lightweight but strong
- non-combustible: Class in accordance with GB8624A1
- rot proof, resistant to insects and mould growth
- good chemical resistance
- small expansion rate
- no site finishing required
- anti-bacterial
- easily worked with appropriate equipment and simple straightforward in application
- internal partition
- noise insulation wall in civil, commercial and industrial building



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# External Thermal Insulation



## DESCRIPTION

The composite panel is comprised of high density fiber cement silicate board facings with core which is a non-inflammable thermal insulating material. The surface is coated with high-performance fluorocarbon coating and ceramic inorganic coating with special process, thus presenting colorful and beautiful surface, which can imitate metal, marble, granite and many kinds of stone materials effects. In addition, the product is extraordinary for its resistance against impact, ultraviolet, weathering, wearing, scratching, chemical corrosion, fire, static electricity and moisture.

## SPECIFICATIONS

Length: 2440-5000mm  
Thickness: 25-100 mm (alternative for size)  
Width: 1220mm

## APPLICATION

Exterior walls decoration for the buildings of

- shopping mall
- office building
- hospital
- workshop
- hotel
- gymnasium
- airport
- school



## SPECIFIC PROPERTIES

- Class A1 fireproofing, standardized production of the products, site assembly and easy installation
- Waterproof, weatherability, pollution resistance, acid and alkali resistance
- Light, large effect and elegant appearance
- Easy cleaning and demountable
- Good durability and long service life
- Environment-friendly, 100% non-asbestos, zero radioactivity

# Decorative Sheet System

## DESCRIPTION

Decorative sheet is a high density fiber cement silicate board and 100% asbestos free and manufactured during a continuous drying process from a homogeneous mixture of cement, calcium, quartz, imported E.P.S.C.P, selected mineral additives, fillers and cellulose fibers.

Decorative sheet has undergone a 24h high pressure and temperature process together with an autoclave process, endowed with great stability. The surface is specially processed by high-temperature metal fluorocarbon and UV cold porcelain, holding rich colors and diverse effects of surface such as metal, granite, wood graining, stone-like and so forth.



## SPECIFICATIONS

Length: 2440--5000mm Thickness: 6-50 mm  
Width: 1220mm (Specific size is made to order)

## APPLICATION

### UNDERGROUND SPACE

- subway station hall
- subway passage
- tunnel
- civil air defense works

### CLEANING REQUIRED SPACE

- operating rooms
- clean walkways
- sterile rooms
- ICU(intensive care unit and ward in the hospital)
- electronic plants
- food plants

- pharmaceutical plants
- precision instrument factories
- precision printing plants
- nuclear power plants
- laboratories

### EXTERIOR WALLS

- shopping mall
- office building
- hospital
- workshop
- hotel
- gymnasium
- airport
- school



## SPECIFIC PROPERTIES

- Class A1 fireproofing, neither toxic gas emission, nor black smoke in case of burning
- Standardized production of products, site assembly and easy installation
- Light and large effect, elegant appearance, less gap and favorable to cleaning
- Waterproof, resistant to pollution, acid and alkali, chemical resistance, antibacterial surface
- Environment-friendly, neither VOC gas emission, nor radiation
- Wear resistance, easy cleaning and demountable, low maintenance cost
- Not be influenced by the water seepage and water leakage from underground space
- Good durability and long service life
- No dust emission, no dust generation, non-oxidation, mold prevention, insect prevention and moth prevention
- Low thermal conductivity and favorable to heat insulation and energy saving
- Surface diffuse reflection and not reflective
- Bright appearance and rich color gives us a feeling of cleanliness and warmth



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# Light Composite Energy Saving Wallboard



## DESCRIPTION

Light composite energy saving wallboard in 100% non asbestos fiber cement board is a thin two panel, the middle filled with light core material is a composite formed non-bearing plate.

The product has the advantages of being solid, lightweight, thin body, better strength, impact resistance, hanging strength, heat insulation, sound insulation, fireproofing, waterproofing and environmental friendly. This will bring the construction industry from the wet method towards the more advanced dry method. As a result, technology and equipment modernization can be achieved. At the same time, it also reduces the price. Product can be used on high level building with low weight. It also sound proof and fire resistant. This is a production breakthrough in technology and application of new wall material in China.

SPECIFICATIONS	Length	Width	Reference Weight (kg/m <sup>2</sup> )	Allowable Tolerance
150 mm			120 ± 5	length ± 5
120 mm	2440 mm	610 mm	96 ± 5	width ± 2
90 mm	3000 mm		72 ± 5	thickness ± 1
75 mm			60 ± 5	flatness ± 1

## APPLICATION

It provide an idea non-load bearing partition system for high-rise and / or low-rise building construction such as:

- Office
- Residential towers and apartments
- Shopping Malls
- Schools
- Factories
- Military buildings
- Sporting complexes
- Modular housings
- Entertainment buildings and casinos

## SPECIFIC PROPERTITIES

- lightweight but strong, economical
- increase usable area
- decorative finishes by tiles, paint or wall paper
- good chemical resistance and rigidity
- Non-combustible
- Heat-preservation and thermal insulation
- Good acoustic performance
- Fireproof, moisture proof, weather proof ,earthquake proof and good entirety
- Easy to install, transport and low wastage, easy for cutting, available for slotting
- Recycling usage



# Passive Fire-proof System



## DESCRIPTION

Fireproof board adapts to passive fire protection system of modern architecture, which takes silicate material and imported E.P.S.C.P as base material. It is 100% free from asbestos, sepiolite, inorganic fibers or formaldehyde. The board is versatile and suitable for use in a wide range of internal and semi-exposed external application in building construction projects. It is an economical building board material with fire-proofing property to replace concrete or block wall for the construction of non-load bearing elements. It is recommended to use with light steel keel and its dedicated accessories to realize its more perfect effects.

## SPECIFICATIONS

Length: 2440-5000mm

Thickness: 8-50mm

Width: 1220mm

## APPLICATION

- Fire partition, fireproof ceiling
- Fireproof covering of fan, covering of iron air duct, fireproof covering of steel post and beam
- Fixed smoke curtain/barrier, smoke-proof pendant wall, upper sealing of fireproof of rolling blind, fire-resistant stack
- Interlaminar sealing of glass curtain wall
- Fire door



## SPECIFIC PROPERTIES

- Superior fire resistance
- Good sealing performance
- Environmental friendly, 100% free from asbestos, sepiolite, inorganic fibers or formaldehyde
- Non-combustible: Class in accordance with GB8624A1
- Rot proof, resistant to insects and mould growth
- High penetration proofing
- Small expansion rate
- anti-bacterial



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# Fiber Cement Silicate Board



## DESCRIPTION

Fiber cement silicate board as its basic board which is composed of imported special materials such as E.P.S.C.P, has undergone a 24h high pressure and temperature process together with an autoclave process, endowed with great stability and a variety of wood texture. Moreover, it can substitute for anti-septic wood and natural original timber.

## SPECIFICATIONS

Length: 2440--5000mm  
Thickness: 8,10, 15-50 mm  
Width: 1220mm  
(Specific size is made to order)

## APPLICATION

They can be utilized in the indoor floor and outside wall of buildings such as

- gymnasium
- exhibition hall
- villas, and so on

The ground pavement of various outdoor landscapes like the followings employ them as well.

- porch
- pavilion
- trestle
- waterside terrace
- diverse garden architectures



## SPECIFIC PROPERTIES

- Environmental friendly, 100% free from asbestos and radioactive substances.
- Beautiful surface with a wide range of colors
- Low shrinkage with excellent durability and sturdiness
- Non-combustible: Class in accordance with GB8624A1
- termite-proof, damp-proof, weather resistant, low in thermal conduction
- Easy construction, dimensional stability

# UV Ceiling Board



## DESCRIPTION

The base material of the UV ceiling is made with silicate fiber board, which is special for suspended ceiling in high-grade environment, filled with high efficient organic hydrophobing agent. Through special treatment, it has great advantages of protecting against dust and static.

## SPECIFICATIONS

Length: 600-1200mm

Thickness: 3-12mm

Width: 600mm

## APPLICATION

- Application sites  
Decoration of the ceiling
- Application place  
Decorating places, cleaning places, kitchen, bathroom areas and so on

## SPECIFIC PROPERTIES

- Class A1 fireproofing, neither toxic gas emission, nor black smoke in case of burning
- Standardized production of the products, site assembly and easy installation
- Surface coating is washable and easy cleaning
- The material is rigid and not sunken, it is not easy to deform, and moderate impact doesn't cause depression
- Neither dust emission, nor dust generation on the surface, good waterproofing, unaffected by condensate water
- Insect prevention, mold prevention and moth prevention
- Good durability and long service life
- Can be processed into fixed length, especially for the non-standard plate
- Perforated acoustic panels, noise reduction







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## Woodgrain Siding



### DESCRIPTION

The siding is a made-made alternative for timber which use fiber cement silicate board as its basic board which is composited of imported special materials such as E.P.S.C.P, has undergone a 24h high pressure and temperature process together with an autoclave process, endowed with great stability and a variety of wood texture. Moreover, it can substitute for antiseptic wood and natural original timber.

### SPECIFICATIONS

Length: 2440--5000mm

Thickness: 8,10, 15-50 mm

Width: 1220mm

(Specific size is made to order)

### APPLICATION

They can be utilized in the indoor floor and outside wall of buildings such as

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