

## Siding Plank



**Siding Plank** , it is a kind of calcium silicate board with cedar pattern , medium density and low water absorption .The purpose of Siding plank is for climate-resistance, waterproof, wind loading resistance, UV proof, exterior wall leaking protection and good thermal insulation. It can be used for exterior wall cladding and façade of various high-class and high rise civil building which demand in artistic effect.

1.It is durable.

More than 60% of the composition is same as granite, more than 20% same as marble.

2.High strength.

The lowest strength (in parallel direction) is  $\geq 14\text{Mpa}$  while the highest strength ( in cross direction) is  $\geq 16\text{Mpa}$  which meets the national standard of typhoon-resistance.

3.Light weight and low water absorption.

Then density is  $\geq 1.25\text{ g/cm}^3$ . The water absorption is less than 35%. It can be used in new bulidings for there will be no need to take additional load for them. Its light weight settles the problems of the renovation in the facade of old bulging and the leaking from the facade. It won't affect its original construction.



4.Incombustible material.

Meeting the standard of GB 8624- 1997 grade A and ISO-1182 which is the guarantee of the fire proof.

5.Good at impact resistance.

It can be used as the base board in the shops, hotels, schools, entertainment places and hospitals.

6.Outstanding thermal insulation and keeping warm capability.

Siding plank has the capability in aeration, balancing the wind pressure, keeping the function of the system with warmth and thermal insulation, making the loss and expense of air-conditioner and warm gas in the building decreased.

7.Low moisture and water absorbing.

It can be used in outdoor wet area.

8.It is inorganic material.

Its fireproof, anti fungus and mould proof are good for the user's health.

9.It can be used in many kinds of building, because it has the capability of chemical corrosion resistance.

10.It has good quality and competitive price.

Compared to other boards (real non-asbestos calcium silicate board) from international marker, it is much worthy.



### Specification

Thickness	Width	Length
mm		
8	190/200	3000
Remark: we can also supply other specifications as the client's special requirement.		

### Physical Properties

Item	Index	Unit		
Density	≥1.25	g/cm <sup>3</sup>		
Thermal conductivity	≤0.3	W/(m·k)		
Water absorption	≤38	%		
Water contain	≤10	%		
Moisture movement	≤0.25	%		
Anti-freezing	No cracking or delaminating	25 times of freeze-thaw cycles		
Non-water soaking	No Water Forms after being tested	24h 24 hours		
Incombustibility	GB 8624-2006A1	/		
Bending strength	Oven dry	Parallel	≥16.0	Mpa
		Cross	≥11.0	Mpa
	Full water condition	Parallel	≥10.0	Mpa
		Cross	≥7.0	Mpa
Impact resistance	Oven dry	No continuous cracking after one impact	/	
Remark; please contact our technical department if you need more technical index.				

### Safety Capability

Item	Index	Instruction
Asbestos contain	100% asbestos free	Safe for application
Radioactivity	<1.0IRa	Safe for application
	<1.0Ir	Safe for application
Incombustibility	A1	The highest grade



- The color of Siding Plank will be off-white. Decorating for the surface can be accomplished base on project.

## Application

1.Siding plank is highly anti-impact and has high bending strength. It is especially for exterior wall cladding or façade of seaside building and high-class European style buildings. And also it can be used as the interior decoration in European style restaurant, art gallery and theater. Outstanding cedar pattern effect is fit for the buildings which pursue nature, harmony and artistic.

2.Siding plank, air layer and framework compose the ventilated cladding system.

3.The ventilated cladding system has the capability in aeration, balancing the wind pressure, keeping the function of the system with warm and thermal insulation, resisting typhoon, reducing rain leaking into building from the framework and exterior wall.

4.The characteristic of rectangle surface and mutually folding can improve the decorative effect of buildings, also enhanced the sense of the line and the layer of the exterior wall. The cedar pattern emphasizes the cooperation and adaptation on the building and the nature, harmonized the relationship between human and the nature. It can be used in both new and old building refashion.

