



04

## Professional fire board Protectpan

It is a professional fireproof low density panel for indoor high fire resistant requirement.

### Application

Protectpan is used in industrial and civil construction for high fire rated performance, such as partition, ceiling, ductwork, structural steel, E&M service enclosures, fire door, and external wall fire protection. Protectpan, insulation material and framework compose the non-loading system.

Protectpan has perfect high temperature performance. It can stand the temperature up to 1200°C.

Its low thermal conductivity in both normal and high temperature improves the insulation performance for the construction; decreases the cost of the air-conditioning and heating.

The board can be left plain or easily finished by paints, wallpaper ect. It can be used in both new and old buildings.

### Specification

Thickness(mm)	Width(mm)	Length(mm)
9、10、12、15、20、24	1220	2440、3050

Please contact us for other dimensions.

### Tolerance in dimension

Item	Requirement	
Length(mm)	< 1220	±3
	1220~2440	±4
	> 2440	±5
Width(mm)	≤1220	±3
	> 1220	±4
Thickness(mm)	≤9	±0.3
	9~15	±0.5
	> 15	±0.6

### Tolerance in shape

Item	Requirement
Edge Straightness(mm/m)	≤2
Squareness(mm/m)	≤3
Surface Uneven(mm/m)	≤3
Thickness Uneven(%)	≤6

### Physical properties

Item	Index	Unit
Density	≤0.95	g/cm <sup>3</sup>
Thermal Conductivity	≤0.20	W/(m·k)
Water Contain	≤10	%
Moisture Movement	≤0.25	%
Heat Shrinkage	≤0.5	%
Bending Strength	Cross	≥7.0
	Parallel	≥5.0
Ratio Of Cross And Parallel Bending Strength	≥58	%

Please contact us if you need more technical index.

### Safety capability

Item	Index	Introduction
Asbestos Contain	100% Asbestos free	Safe for application
Radioactivity	Ira < 1.0 Ir < 1.0	Safe for application
Non-combustibility	EN 13501	Class A