



## Fire Door Making Board

Starpan is low cost high performance Fire Resistant calcium silicate board manufactured with selective fibers to resist against fire when it used as core / infill board in the Wooden Fire Resistant doors. With starpan board you can achieve:

Fire Door with 120 Minutes Fire Rating : 2 Layers of 9 mm thick boards

Fire Door with 60 Minutes Fire Rating : 1 Layer of 9 mm or 2 layers of 6 mm Boards

Starpan is tested in CBRI lab fire according to BS 476. Its system, 89cm width wooden frame, rockwool and 9 mm Starpan on each side, passed 120 minutes fire rated time.

Also Starpan is tested in Exova Warrington fire according to BS 476. Its system, 89cm width wooden frame, rockwool and 12mm Starpan on each side, passed 120 minutes fire rated time.

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)
6, 8, 9, 10, 12, 15	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	1.05~1.20	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	≥10 Mpa
	Parallel	≥8 Mpa
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	GB8624-2012 Non-combustible Material Grade A1	The Highest Grade