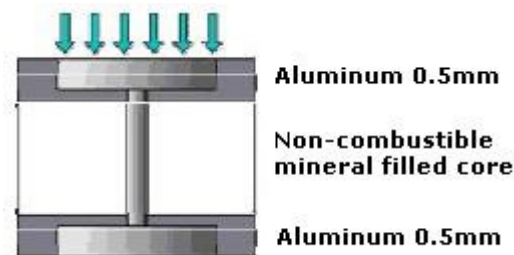


Fire-Resistant Aluminum Composite Panel:

HONYLITE™ FR Aluminum Composite Panel is a fire-safe material that passes mandatory requirements for exterior application. It is composed of fire-rated high mineral fill core sandwiched between two skins of 0.5mm thick aluminum. The core of HONYLITE™ FR Aluminum Composite Panel is white or grey containing a non - combustible mineral wool.



Aluminum Skin Alloy

HONYLITE™ FR panel normally uses Aluminum Alloy A1100. However, HONYLITE™ FR panel can be supplied in any other alloys such as 3003 H18 or 5005 H24.

Colors

30 standard colors / customized colors (please refer to color chart)

Coating

- PE (Polyester) coating has a coating warranty for 10 years
- PVDF (Fluorocarbon) coating has a coating warranty for 15 years
- NANO PVDF (Fluorocarbon) coating has a warranty for 20 years.

Available Sizes

- Thickness: 2mm, 3mm, 4mm, 5mm, 6mm (product tolerance $\pm 0.2\text{mm}$)
- Width: from 1220 to 1500mm (product tolerance $\pm 2.0\text{mm}$)
- Length: to customers' requirement; maximum 6000mm (product tolerance $\pm 4.0\text{mm}$)

Fire Safety Performance

British Standard 476: Part 6: 1989

British Standard 476: Part 7: 1997

(Class "0" Rating)

Data Sheet:

Mechanical and Technical Properties:

Thickness	4mm	6mm
Aluminum Alloy	A3003 H18	A3003 H18
Tensile Strength	166 N/mm ²	166 N/mm ²
0.2% Proof Stress	115 N/mm ²	115 N/mm ²
Elongation	22 %(DIN EN 485-2)	22 %(DIN EN 485-2)
Modules of Elasticity	70,000 N/mm ²	70,000 N/mm ²
Panel Weight	7.6 kg/m ²	10.9 kg/m ²
Rigidity	2400 kNcm ² / m	2400 kNcm ² / m