

**iBOND**

Aluminum Composite Panel

**PIVOT**

Fire-resist ACP



PIVOT DECORATIVE MATERIALS CO., LTD.



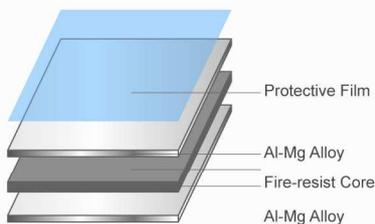
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## Brief Introduction

Our fire-resist aluminum composite panel is made of fireproof plastic core with two layers of aluminum sheets, it is one kind of new decorative material. Because of addition of fireproof element, its fireproof feature can reach Class B1 grade with the test of GB8624, hard to be fired. It is green material, as there is no harmful gas during burning.

## Structure & Specification

Fire-resist ACP safety degree is based on GB8624-1997 "Classification of Building Materials". Pivot fire-resistance ACP can be achieved Hard-buring Class B1 or No-combustion Class A .



Thickness: 3-6mm, commendation: 4mm  
 Width: 1000-1575mm, commendation: 1220mm, 1250mm, and 1500mm  
 Length: the maximum can be 5800mm, commendation: 2440mm, 3050mm, and 4050mm  
 Aluminum thickness: 0.3mm to 0.5mm

The level and combustion properties of names.

Degree	Item	Degree	Item
A	No-Combustion	B2	Combustion
B1	Hard- Combustion	B3	Combustible
Degree	Material	The combustion performance indicators	
No-Combustion	Class A Material	According GB/T8625 test, the average length of the remaining $\leq 35$ cm (including any residual specimen length $> 20$ cm) for each test and the average flue gas temperature peak $\leq 125^\circ \text{C}$ , no specimen back burner the scene; According GB/8627 test, their smoke density levels (SDR) $\leq 15$ ; According to GB/T14002 and GB/T14403 test, its calorific value $\leq 4.2$ MJ / kg, and the specimen thermal emission per unit area $\leq 16.8$ MJ/m <sup>2</sup> ; toxic materials combustion flue gas of the entire non-lethal concentration of $\geq 25$ mg / L	
Hard Combustion	Class B1 Material	According GB/T8626 test, its combustion properties should be met GB/T8626, and does not allow any dropping of combustion burn the filter paper; According GB/T8625 test, the average of each specimen remaining length $\geq 15$ cm (including any residual specimen length $> 0$ cm), and the average peak temperature of gas $\leq 200^\circ \text{C}$ in each test. According GB/T8627 test, their smoke density levels (SOR) $\leq 75$	

The contrast of fire-resist performance in different countries

Standard Burning Degree	China GB/T8627	Germany DIN 4102	U.S.A ASTM E84	France BS 476	U.K NFF 16-101	Japan JIS K6911	Russia 30244-94
Few	A	A1,A2	NC	O	M0	1	T1
Minor	B1	B1	A	1	M1,M2	2	T2
Normal	B2	B2	B,C	2,3	M3	3	T3
Serious	B3	B3		4	M4,M5	-	-



## ■ Features

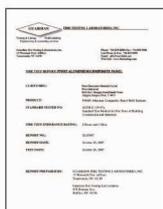
- Fire-resist** The outer aluminium sheet and inner fire-resist polyethylene makes the panle has a excellent performance. The fire-resist panel meet the GB8624 B1 standard and is fire retardant stratified, smoke less and no harmful gas.
- High Strengelh** The fire-resist ACP use high quality aluminum with greatly enhanced strength, ensure the performance of wind-pressure resistance, shockproof, and anti-impact.
- Smooth Surface** The fire-resist ACP provide superior and smooth surface, satisfying the modern building with perfect appearance.
- Easy Processing** ACP is easy to cut, slot, punch, bend into circular, rectangular and other shapes, also can be designed to various modeling according to your ideas.
- Exertion Design** The fire-resist ACP has series of glossy and shape to meet the designer great originality, achieve perfect results.

## ■ Fire-resist Parameters



Class B1 Burning Test Report

No.	Text Item	Test Method	Technical Index	Result
1	Minimum remaining length of combustion, mm	GB/T8625-88	>0	486
2	Average remaining length of combustion, mm	GB/T8625-88	≥150	163
3	Smoke temperature □	GB/T8625-88	≤200	78
4	Height of fire, mm	GB/T8625-88	≤150	10
5	Grade of smoke density	GB/T8627-88	<75	9



America Fire-resist Tet Report



Russia Fire-resist Tet Report



China Fire-resist Tet Report



**Application & Project**

Widely used for interior and exterior wall, which is strict with safety for the art centre, museum, airport and the place which need the warm art environment. The place such as hotel and public place.



Indonesia Plaza ABDA & Sudirman Mansion



Indonesia Royal Plaza



Singapore Subway



Chile Shopping Mall

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