

MAONE /fr
IMAGINATION CONTINUED



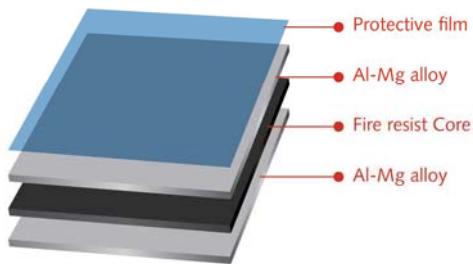


MAONE fire-retardant aluminum composite panel is made of fireproof plastic core with two layers of aluminum sheets, it is one kind of innovative decoration material. Because the additional of fireproof element, its fireproof feature can reach Class B1/GB 8624, V-0/UL94V, 4 Hrs rate/ASTM E119. It is green and eco friendly material, as it will not emit the toxic gases during burning.

Fire retardant ACP safety degree is based on international standards such as

- MAONE fire-retardant ACP can be achieved difficult Combustion Material rate as B1 according to GB 8624 -1997; Classification on Burning Behavior for Building Materials standard.
- MAONE fire-retardant ACP can pass test of Best Fire reaction classification as V-0 according to UL94; Vertical burning test standard.
- MAONE fire-retardant ACP wall system exceeds the standard requirement of TIS2314-2549 with Standard Test Method for Fire Tests of Building Construction and Materials (ASTM E119) as 4 hours rate for integrity and insulation protection.

STRUCTURE & SPECIFICATIONS



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





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 ≤ 35 cm (including any residual specimen length > 20 cm) for each test and the average flue gas temperature peak ≤ 125 °C, no specimen back burner the scene; According GB/8627 test, their smoke density levels (SDR) ≤ 15; According to GB/T 14002 and GB/T 14403 test, its calorific value ≤ 4.2 MJ/kg, and the specimen thermal emission per unit area ≤ 16.8 MJ/m²; toxic materials combustion flue gas of the entire non-lethal concentration of ≥ 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 ≥ 15 cm (including any residual specimen length > 0 cm), and the average peak temperature of gas ≤ 200 °C in each test. According GB/T8627 test, their smoke density levels (SOR) ≤ 75	

THE CONTRAST OF FIRE-RETARDANT PERFORMANCE IN DIFFERENT COUNTRIES

Standard	China	Germany	USA	France	UK.	Japan	Russia
Burning Degree	GB/T8627	DIN4102	ASTM E84	BS 476	NFF16-101	JIS K6911	30244-94
Few	A	A1, A2	NC	0	MO	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-retardant

The outer aluminum sheet and inner fire-resist polyethylene makes the panel has an excellent performance. The fire-retardant panel meets the GB8624 B1 standard and is fire retardant stratified, smokeless and no harmful gas.

High Strength

The fire-retardant ACP use high quality aluminum with greatly enhanced strength, ensure the performance of wind-pressure resistance, shockproof and anti-impact.

Smooth Surface

The fire-retardant 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

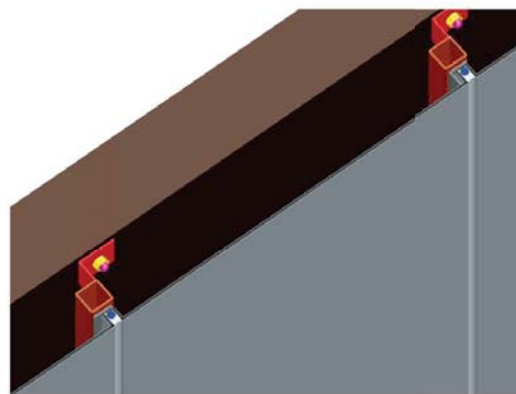
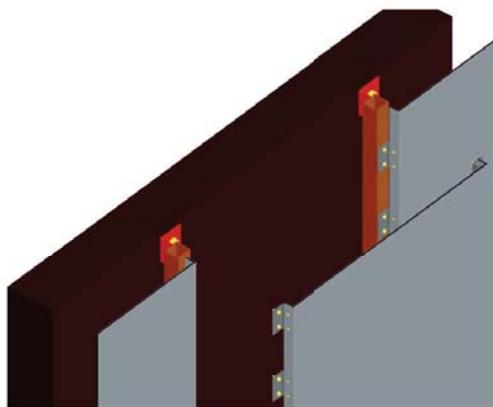
The fire-retardant ACP has series of glossy and shape to meet the designer great originality, achieve perfect results.

BURNING TEST REPORT

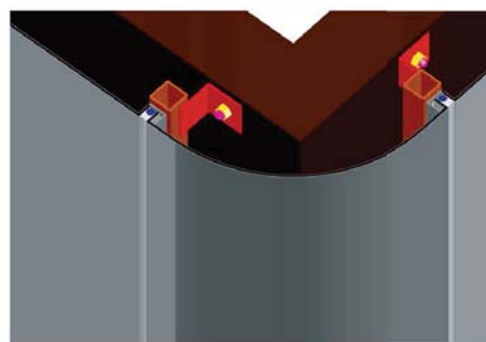
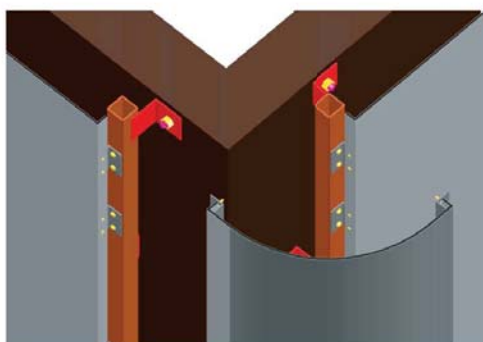
No.	Text item	Test Method	Technical Index	Result
1	The minimum rest length of burnning , mm	GB/T8625-88	>0	520
2	The average rest length of burnning , mm	GB/T8625-88	>150	582
3	Average smoke temperature , oC	GB/T8625-88	<200	128
4	Flame tip's height , mm	GB/T8626-88	<150	15
5	Smoke Density grade.	GB/T8627-1999	<75	52
6	Flamability Testing	UL94V	V-0,V-1,V-2	V-0 (Best)
7	Fire insulation & Integrity Fire protection wall , min	TIS 2314-2549	>60	240
8	Standard Test Method for Fire Tests of Building Construction and Materials ,Hrs	ASTM E119	1 Hr	4 Hrs
9	Flammability and combustibility Test	DIN 4102	B1	Qualified
10	Fire classification of construction products and building elements	EN13501-1	B1, S1 , D0	Compliant

SCHEME OF INSTALLATION

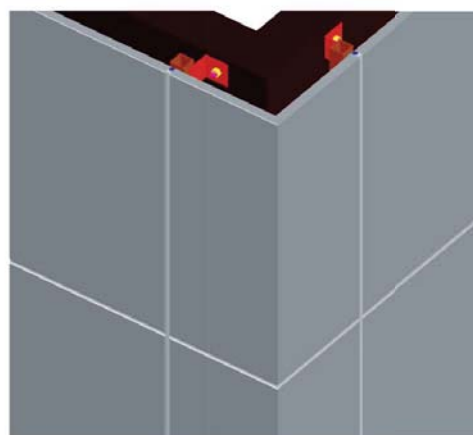
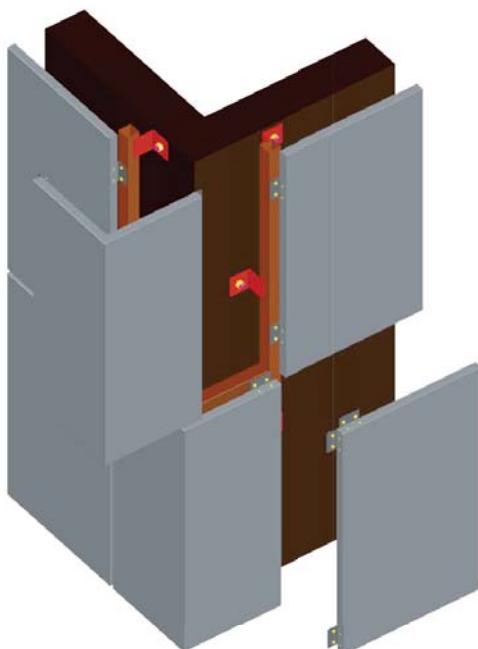
WALL COVERING



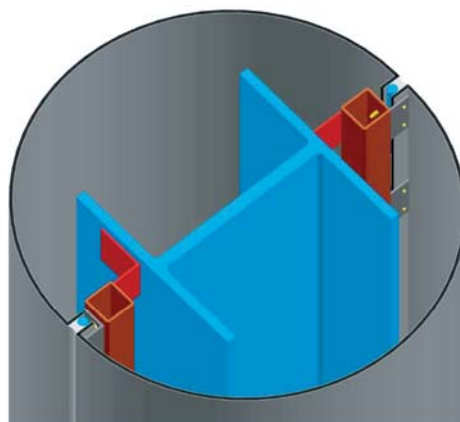
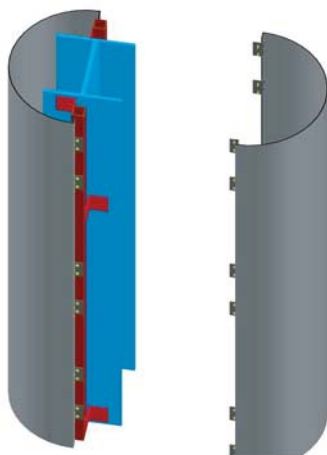
CURVE CORNER



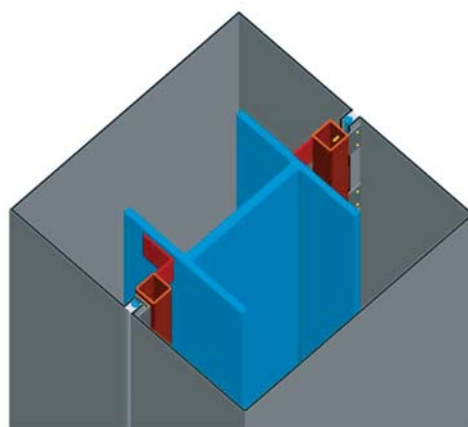
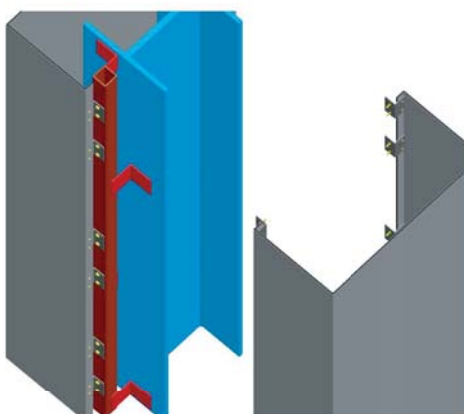
OUTER WALL COVERING



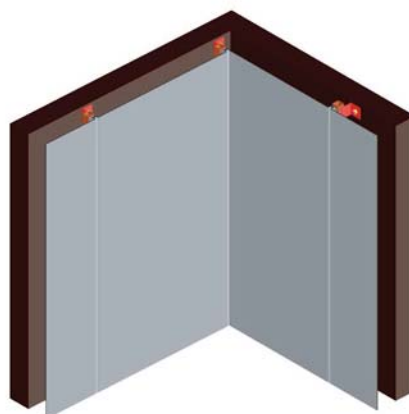
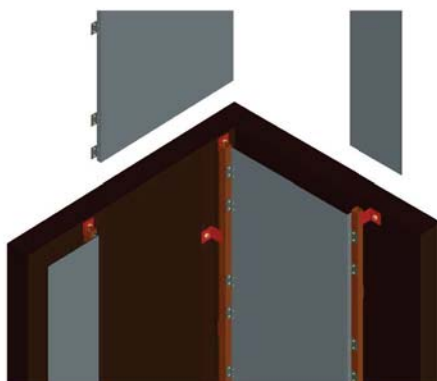
ROUND
COLUMN
COVERING



SQUARE
COLUMN
COVERING



INTERNAL
CORNER
COVERING





EXAMPLE OF PROJECT

MAONE becomes one of the best cladding materials in the world because of its advantage. It's widely used in buildings as follow.

Office buildings, luxury residential, villas, hotels, shopping centers, entertainment venues, as stations, auto 4S stores, chain stores, subway, the walls, and other decorative; curtain wall, internal and external wall. ceiling, eaves, balcony, galleries, exhibitions, partitions, advertise fascia, showing and display platform.



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