

ALUCOBOND (ACP)

Introduction :

BoDo's Aluminum Composite Panel has a flammability certificate of B1. All the products are made of 100% original materials:

1. Front side: aluminum roll coated with PVDF or PE.
2. Core: plastic/ fireproof materials.
3. Rear side: aluminum or coated with polyester.

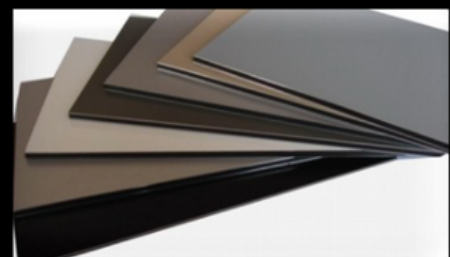
Features :

1. Lightweight, high strength, extreme rigidity, and flatness.
2. Good weatherproof, acid-resistance, alkali-resistance.
3. Outstanding color and gloss retention in a virtually limitless range of hues.
4. Excellent in heat insulation, and sound insulation.
5. Easily processed and fabricated, quickly installed.
6. Good flexibility fits various designs.
7. Easily maintenance, simply cleaning.



Applications :

1. External wall. cladding, building fascia, and facade finishes
2. Advertising display, sign boards
3. Balconies and patio wall cladding
4. Rooftop edges, parapet walls, and wall canopies
5. Curtain walls and international wall finishes
6. Partition and ceiling panels
7. Stairways, elevators and kiosk panels
8. Shop sign boards and showroom finishes
9. Public and commercial display walls
10. Poster hoardings and exhibition rooms
11. Spandrel, column covers, and beam wraps
12. Machine casings and furniture accessories



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Technical Specifications :

Test Term	Test Standard	Test Value
Outdoor temperature resistance	ASTM D1654a GB/T17748-2008	No abnormality
Thermal expansion	ASTM D696a GB/T17748-2008	1.98×10^{-5} \times -1
Deflection temperature under heat	ASTM D648-01 GB/T17748-2008	117 \times
Thermal conduction	ASTM D976a GB/17748-2008	0.102Kcal/m.hr
Flexural rigidity	ASTM C393a GB/T17748-2008	14.0X105Kg/mm2
Impact resistance	ASTM D732a GB/T17748-2008	1.650Kgf
Adhesive strength	ASTM D903a GB/T17748-2008	0.78Kg/mm
Sound-insulating rate	ASTM E413a GB/T17748-2008	25 db
Flexural elasticity	ASTM D790a GB/T17748-2008	4055Kg/mm2
Shear resistance	ASTM D732a GB/T17748-2008	2.6Kgf/mm2
Minimum bending radius	ASTM D790a GB/T17748-2008	(LO)45mm,(PO)70mm
Tensile strength	ASTM D638-02 GB/T17748-2008	49.6 Mpa
Flexural strength	ASTM D790-02 GB/T17748-2008	108 Mpa
180°peel strength	ASTM D903 GB/T17748-2008	10.7N/mm
Fire propagation	ASTM E84a GB/T17748-2008	Class B1
Smoke developed	ASTM E84a GB/T17748-2008	< 45
Wind-pressure resistance	ASTM E330a GB/T17748-2008	Passed
Properties against water	ASTM E331a GB/T17748-2008	passed
Properties against air	ASTM E283a GB/T17748-2008	Passed
Finish coat thickness	ISO 2360(CNS84)GB/T17748-2008	29 Um
Gloss	ASTM D532-89 GB/T17748-2008	20-85%
Pencil hardness	ASTM D3363-74 GB/T17748-2008	3H
Toughness of coating	ASTM D4145-83 GB/T17748-2008	2T no rift
Adhesive force	ASTM D3359-87a GB/T17748-2008	4B
Impact resistance	ASTM D2794 GB/T17748-2008	No crack after 60kg.cm.
Abrasion resistance	ASTM D968-81 GB/T17748-2008	64.5L/mil
Mortar resistance	ASTM 2605-90 GB/T17748-2008	24Hrs pat test exceed
Humidity resistance	ASTM D2247-87 GB/T17748-2008	3000Hrs no blister
Resistance of temperature	GB/T17748-2008	Surface no change 20 cycle in -40 \times ~80 \times
Salt-spray resistance	ASTM D117-94 GB/T17748-2008 5% NaCl,35oC	3000Hrs no blister
Acid resistance	AAMA 2605-91,TEST#7,7.31 D3359-87a GB/T17748-2008	Surface color unchanged with 5% HCL(V/V) for 48 hrs.(passed)
Color retention	ASTM D2244-87,(85) GB/T17748-2008	E=0.34
Chalk resistance	ASTM D4214-89 GB/T17748-2008	No chalk
Gloss retention	ASTM D2244-85 GB/T17748-2008	0.85

Specifications :

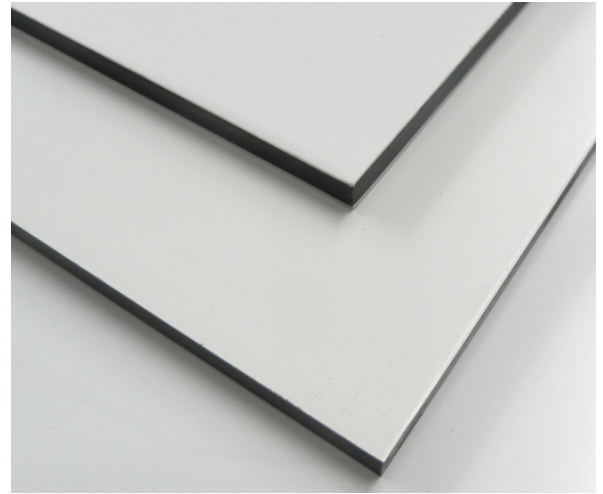
Aluminum sheet thickness: 0.08 mm - 0.5 mm

Panel Thickness: 2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 7 mm, 8 mm

Width: 1220 mm, 1250 mm, 1500 mm

Length: 2440 mm, 3000 mm, upon customer request

Color: white glossy, black glossy, red glossy, silver brushed, bronze, etc.



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Introducción :

El panel compuesto de aluminio de BoDo tiene un certificado de inflamabilidad B1. Todos los productos están fabricados con materiales 100% originales:

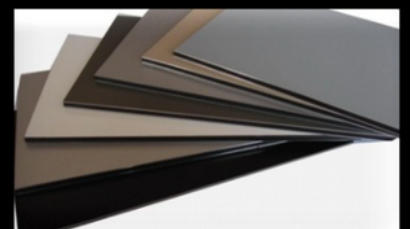
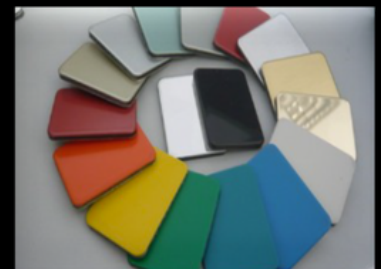
1. Cara frontal: rollo de aluminio recubierto de PVDF o PE.
2. Núcleo: plástico/materiales ignífugos.
3. Cara posterior: aluminio o recubierto de poliéster.

Características :

1. Ligereza, alta resistencia, extrema rigidez y planitud.
2. Buena resistencia a la intemperie, a los ácidos y a los álcalis.
3. Excelente retención del color y el brillo en una gama prácticamente ilimitada de tonalidades.
4. Excelente aislamiento térmico y acústico.
5. Fácil de procesar y fabricar, se instala rápidamente.
6. Buena flexibilidad, se adapta a varios diseños.
7. Fácil mantenimiento y limpieza.

Aplicaciones :

1. Paredes exteriores, revestimientos, fachadas de edificios y acabados de fachadas
2. Expositores publicitarios, rótulos
3. Revestimiento de balcones y patios
4. Bordes de tejados, parapetos y marquesinas
5. Muros cortina y acabados de paredes internacionales
6. Paneles para tabiques y techos
7. Paneles de escaleras, ascensores y quioscos
8. Paneles de señalización de tiendas y acabados de salas de exposición
9. Muros de exposición públicos y comerciales
10. Vallas publicitarias y salas de exposiciones
11. Tímpanos, cubiertas de columnas y envolturas de vigas
12. Carcazas de máquinas y accesorios de mobiliario



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Ficha Técnica :

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Chalk resistance	ASTM D4214-89 GB/T17748-2008	No chalk
Gloss retention	ASTM D2244-85 GB/T17748-2008	0.85

Especificaciones :

Grosor de la chapa de aluminio: 0,08 mm - 0,5 mm

Espesor del panel: 2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 7 mm, 8 mm Anchura: 1220 mm, 1250 mm, 1500 mm

Longitud: 2440 mm, 3000 mm, a petición del cliente

Color: blanco brillante, negro brillante, rojo brillante, plata cepillada, bronce, etc.