CHINA TOP BRAND
(2006-2011)

CHINA WELL-KNOWN TRADEMARK

NATIONAL PRODUCTS EXEMPT FROM INSPECTION
(2006-2009)

Color Chart

ALUCOBEST

ALUMINUM COMPOSITE PANEL







ALUCOBEST®

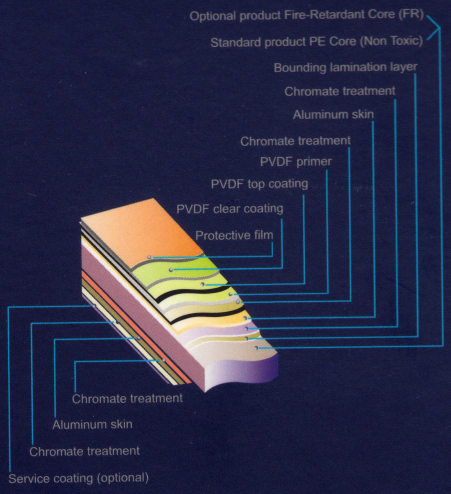
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ALUCOBEST®



Specification

1220(width) * 2440(length) * 3(thickness)MM
1220(width) * 2440(length) * 4(thickness)MM

Special Size

Thickness: 2mm, 5mm, 6mm.
Width: 1000mm, 1250mm, 1550mm, 2000mm.
Maximum Length: <6000mm.

Application

1. Wall curtain, Cladding and Facade.
2. Roof edges and Parapet Wall.
3. Dado, Separation Wall and Partition.
4. Advertising Plate, Showroom and Shop Front Signing.
5. Column Covers and Beam Wraps.

Mini Order

Standard color: 600m²/color, Special color: 1000m²/color

ALUCOBEST are now available in 45 standard colors.Custom colors are available upon request such as RAL or Pantone color. The PVDF coating is applied to the aluminum coil prior to lamination into a composite panel. The aluminum coil is using a continuous coil coating process and stoved at the temperature of between 200~260°C.The quality of the coating is tested according to AAMA2604-98.

The color in this chart is just for reference and only for polyester.A slight color variation may occur between different products such as PVDF coating and Polyester coating. For exact color matching, please request actual color samples.

Color variations may occur between panels originating from different production batches.To ensure color consistency, the total project should be placed in one order.

Rigid and Lightweight

ALUCOBEST panel features high strength with excellent torsion strength and bending strength for exterior walls, and lighter than solid aluminum, and highly cost-effective for construction budgets.

RIGIDITY EJ	ALUCOBEST®		STEEL	
	THICKNESS	WEIGHT	THICKNESS	WEIGHT
0.126kNm²/m	3mm	4.5kg/m²	1.9mm	14.8kg/m²
0.126kNm²/m	4mm	5.6kg/m²	2.7mm	17.3kg/m²
0.126kNm²/m	6mm	7.3kg/m²	3.2mm	25.0kg/m²

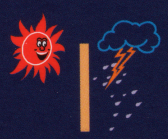
Outstanding Sound Insulation

Compared to other materials of the same weight (steel, solid aluminum, tile plywood, etc.), ALUCOBEST panel has a greater sound transmission loss.



Weather Durability & Corrosion Resistant

ALUCOBEST panel is coated with fluoro-carbon (PVDF) resin. It withstands extreme weather conditions and minimizes the possibility of acid, alkali and salt spray corrosion, hence unaffected by the temperature change and the long-term bask of ultra violet ray.



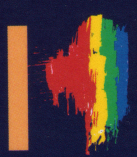
Superior Machinability

ALUCOBEST can be easily fixed to any type of cladding applications which consist of many different shapes and angles, carve and radius by cutting , bending , curving, folding, fastening, welding, edge jointing & close-out, etc. All processes are possible by ordinary metal and wood working machinery to shape the distinctive manifestation of your design concept.



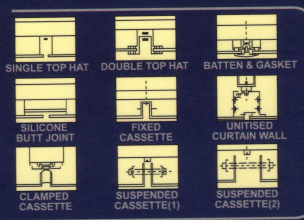
Good Thermal Insulation

The PE or fire-rated core isolates the differential exterior temperature and moisture, which allows you to save on utility bills. [Rate: 0.09954W/(m.K)]



Economy & Ease of Installation

ALUCOBEST panel will reduce the in-place cost and installation time since the system does not require additional reinforcing structure and insulation layer (to be specified by architects).



Great Impact Resistant

Viscoelastic high molecular resin comprises the core, preventing cracking or breaking, yet provides high strength, stiffness and an impact resistant .

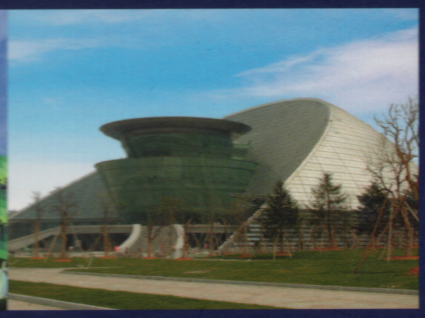


Outstanding characteristics of fireproofing

ALUCOBEST panel fully meets the fireproofing requirement specified in building code. The ability of fireproof is higher than index requirement of grade B1. It performs excellent in flame spread and smoke development.







General Properties

Testing item	Standard	Result
Unit weight	ASTM D792	t3mm=4.6kg/m² t4mm=5.5kg/m²
Outdoor temperature resistance	ASTM D1654	No abnormity
Thermal expansion	ASTM D696	3.0×10^{-5}℃$^{-1}$
Thermal deformation temperature	ASTM D648	115℃
Thermal conduction	ASTM 976	0.102kcal/m.hr℃
Flexural rigidity	ASTM C393	14.0×10^{5}
Impact resistance	ASTM D732	1650kgf
Adhesive strength	ASTM D903	0.74kgf/mm
Sound-insulating rate	ASTM E413	29 dB
Flexural Elasticity	ASTM D790	4055kg/mm²
Shear resistance	ASTM D732	2.6kgf/mm²
Minimum bending radius	ASTM D790	≥300mm
Fire propagation	ASTM E84	Qualified
Smoke developed	ASTM E84	< 45
Wind-pressure resistance	ASTM E330	Passed
Properties against water	ASTM E331	Passed
Properties against air	ASTM E283	Passed

PVDF Coating Finish

Testing item	Standard	Result
Finish coat thickness	ISO 2360 (CNS 8406)	27.6 μm
Gloss	ASTM D523-99	20-45%
Pencil hardness	ASTM D3363-00	2H
Toughness	ASTM D4145-83	2T no rift
Adhesive force	ASTM D3359-97	4B
Impact resistance	ASTM D2794-93	50kg.cm
Abrasion resistance	ASTM D968-93	64.6L/mil
Mortar resistance	ASTM 605.2-91	24hrs No blister
Humidity resistance	ASTM D714-97	3000hrs No blister
	ASTM D2247-02	
Boiling-water resistance	ASTM D3359-B	Passed
Salt-spray resistance	ASTM B117-03	3000hrs No blister
Acid resistance	ASTM D1308-87	No Effect
	AAMA 605.2-91 TEST#7 7.31	
Alkali resistance	ASTM D1308-87	Passed
Solvent resistance	ASTM D2248-73	Passed
	ECCA T5&NCCA NO.11-18	
Color retention	ASTM D2244-93	▲ E=0.34
Chalk resistance	ASTM D4214-98	No Chalking
Gloss retention	ASTM D2244-93	84.2%

ISO 9001:2008 | KYNAR 500 | ISO 14001:2004 | HYLAR 5000 | OHSAS 18001:1999

2017.09

TOTAL SOLUTION

Product	Aluminium Thickness (mm)	Panel Thickness (mm)	Surface Finish	Application
Standard				
1	*0.12-0.30	2 / 3	Polyester	Interior
2	0.30-0.50	4 / 5 / 6	PVDF	Exterior
B1 Fire-Resistance				
1	0.30-0.50	4 / 5 / 6	PVDF	Exterior
2	0.30-0.50	4 / 5 / 6	EVE	Exterior
3	0.30-0.50	4 / 5 / 6	DreamX	Exterior
A2 Fire-Resistance				
1	0.30-0.50	3/ 4	PVDF	Exterior
2	0.30-0.50	3/ 4	EVE	Exterior
3	0.30-0.50	3/ 4	DreamX	Exterior
Signage				
1	*0.12-0.30	2 / 3 / 4	Polyester	Signage
2	0.20-0.30	2 / 3 / 4	PVDF	Signage
3	0.20-0.30	2 / 3 / 4	EVE	Signage
Nano				
1	*0.12-0.30	2 / 3	Polyester	Interior/Anti-Bacterial/ Static-Dissipative
2	0.30-0.50	4 / 5 / 6	PVDF	Exterior/ Self-Cleaning
DreamX				
1	0.20-0.30	2 / 3	Polyester	Interior
2	0.30-0.50	4 / 5 / 6	PVDF	Exterior
Special				
1	*0.12-0.50	2 / 3	Brushed Polyester	Interior
2	0.20-0.50	2 / 3 / 4	Brushed PVDF	Interior/Exterior
3	*0.12-0.30	2 / 3	Embossed Polyester	Interior
4	*0.12-0.50	2 / 3	Granite Film	Interior
5	0.30	3 / 4	Mirror Anodised	Interior
6	0.20-0.50	2 / 3	Satin Polyester	Interior
7	0.20-0.30	2 / 3	Wooden Polyester	Interior
8	0.20-0.30	2 / 3	Granite Polyester	Interior
9	0.30-0.50	4 / 5 / 6	Wooden PVDF	Exterior
10	0.30-0.50	4 / 5 / 6	Granite PVDF	Exterior

* WHEN GROOVING AND BENDING, PLEASE KINDLY CHOOSE THE ALUMINIUM THICKNESS ≥ 0.20MM



HY-0002A-EVE



HY-0006A-EVE



HY-0012A-EVE



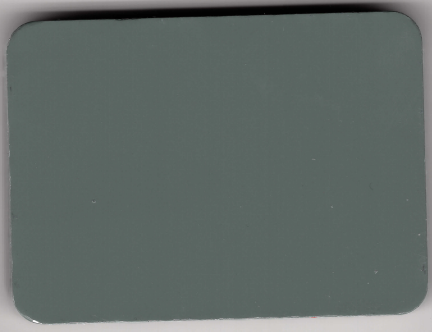
HY-0011A-EVE



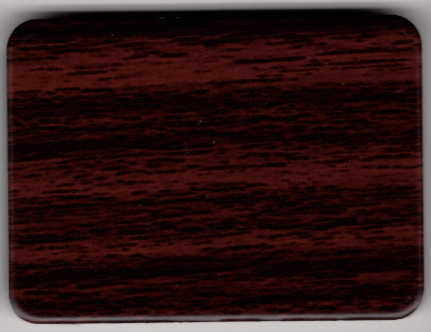
HY-0013A-EVE



HY-0001A-EVE



HYB183A2 Soft Green (FR:A2)



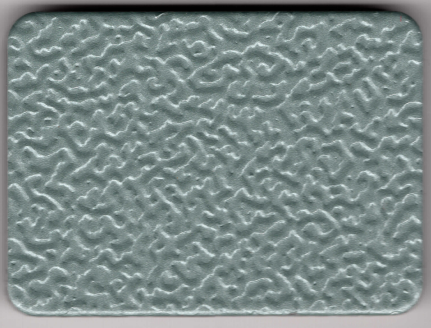
HYY852181 Mahogany(FR:B1)



HYY201 Wild Cherry



HYN152 Bronze Metallic (NANO)



HYD1134-8 Embossed



HYD1158-7 Blue Diamond



HY7011 DreamX



HY7013 DreamX



HY7015 DreamX

HY102 Diamond White

HY106 Milk White

HY107 Ivory White

HY139 Lake Blue

HY150 Ultramarine Blue

HY118 Sea Blue

HY120 Peak Green

HY116 Post Green

HY119 Jade Silver

HY105 Metal Silver

HY103 Bright Silver

HY186 Brilliant Silver

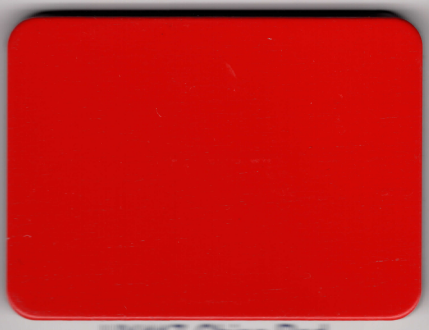
HY135 Champagne

HY113 Champagne Silver

HY112 Gold



HY125 Rose Red



HY117 China Red



HY182 Mouse Grey



HY157 Milk Lemon



HY104 Lemon



HY151 Orange



HY158 White Pearl



HY185 Anthracite Grey



HY108 Black



HYJ301 Silver Brushed



HYJ901 Silver Mirror



HYJ902 Golden Mirror



HY115 Bronze



HYR155 White (Satin)



HY157 Black Galaxy

WELCOME TO INQUIRY ORDER BASED ON SEALED SAMPLE