

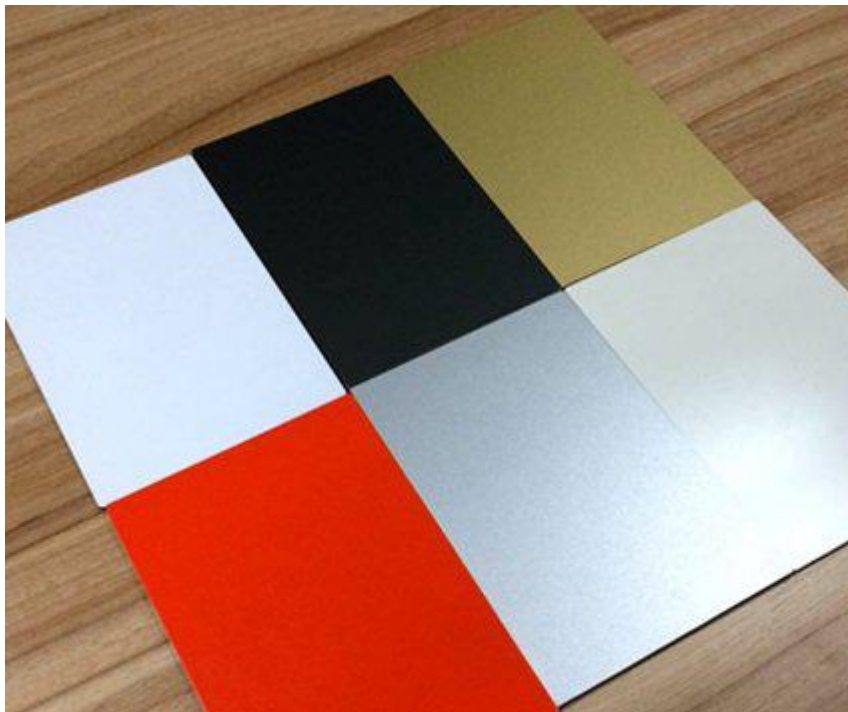
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# Shanghai Gokai Industry Co.,Ltd.

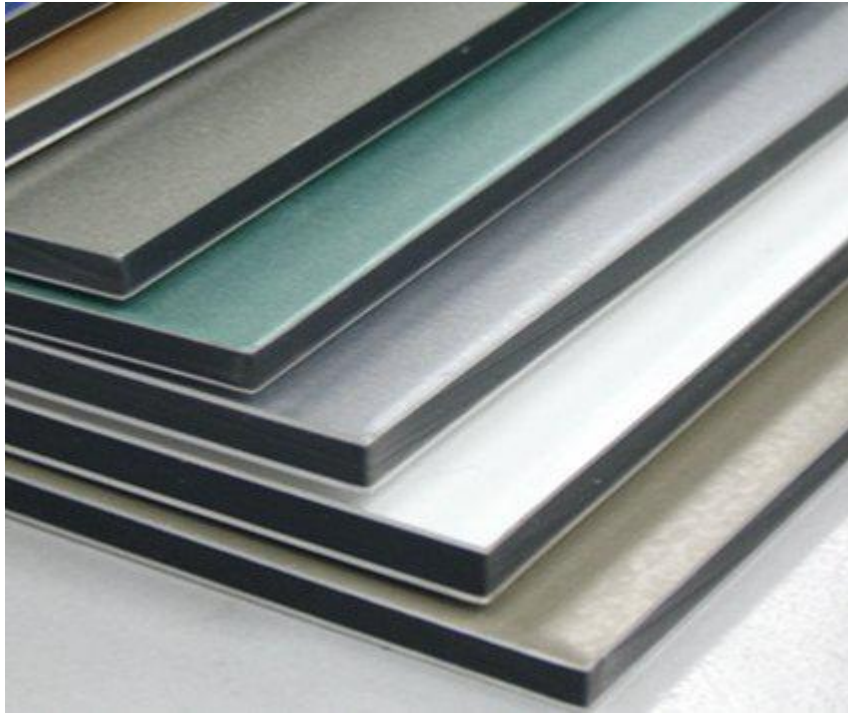
----- Aluminum composite panel



Shanghai Gokai Industry Co.,Ltd. is specialized in researching, developing, manufacturing Aluminum composite panel mainly .The Company was founded in 2009, Our factory have 2 production lines ,the headquarters is located in Shanghai, China. We introduced advanced production equipment and processing technology, also the world-leading equipment and rich experience with this process. All these enable Gokai to produce Aluminum composite panel, with excellent quality. It is perfectly matched to the requirements of the market.



Our products are mainly exported to, such as Argentina, Brazil, Canada, Nigeria, Mexico, Saudi Arabia, UAE, UK, USA, Malaysia, Thailand, Vietnam, Spain, Romania, Algeria around the world. We are also SGS Audited Supplier .And we pass CE certification. We focus on quality that we adopt strict quality inspection control methods in order to ensure the reliability of product quality.



## Short Description

Aluminum composite panel have polyester aluminum composite panel and PVDF aluminum composite pane.

Polyester aluminum composite panel consists of aluminum layers on both sides with a polyethylene core. It's coated with a polyester lacquer. The low weight sheet material can be easily fabricated, making it an ideal material for creative applications both indoors and outdoors.

PVDF aluminum composite panel consists of two layers of aluminum skin sandwiching a PE core in a continuous extrusion process. The outer surface of panel is coated with PVDF Kynar500 fluorocarbon coating to provide a long lasting, durable finish for wall cladding applications.

## Introduction

Polyester aluminum composite panel :PE coating, with high Molecular polymer as monomer and addition of alkyd resin, has an excellent performance on colors. It can be classified to matt and glossy according to gloss levels. Due to its compact molecule structure, the paint surface is luster and smooth, makes the surface suitable for digital printing. This coating is perfect choice for interior decoration and signs industry. Warranty could be up to 10 years for interior decoration.

PVDF aluminum composite panel :PVDF coating, made of fluorine carbon resin, is solidified to dry film with super weather resistance. We have normal PVDF and NANO PVDF coatings. Normal PVDF coating, certified as KYNAR 500, is made of 2-3 time coating and baking, has good properties of anti-acid, Anti-alkali, is durable in atrocious

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weather and environment. Warranty could reach to 15 years for exterior use. NANO PVDF coating, with self-cleaning nanometer paint on the normal PVDF coating, is used to protect the surface from pollution, dust or dirty rains. Warranty could be up to 15 years for exterior use.

## Advantage of Aluminum Composite Panel

### 1. High resistance to peeling

The new processing technology is adopted to improve the peeling strength, the key technical index of the aluminum-plastic composite board, to an excellent state. The flatness and weatherability of the aluminum-plastic composite board are improved accordingly. The material is light and easy to process

2. The weight of aluminum-plastic composite board per square meter is only about 3.5-5.5kg, so it can reduce the damage caused by earthquake and is easy to carry. Its superior constructability only needs simple woodworking tools to complete cutting, cutting, planing, bending into arc, right angle of various shapes, which can cooperate with designers to make various changes. The installation is simple and fast, and the construction cost is reduced.

### 3. Excellent fire resistance properties

4. Aluminum plastic composite board is a kind of safe fire-proof material, which is in line with the fire-resistant requirements of building regulations.

### 5. Impact resistance

It has strong impact resistance, high toughness, no damage to the topcoat when bending, and strong impact resistance. It will not be damaged due to wind sand in areas with large wind sand

### 6. Weather resistance

Due to the use of PVDF (fluorocarbon paint) based on kynar-500, it has unique advantages in terms of weather resistance. It does not damage the beautiful appearance no matter in the hot sun or in the cold snow, and can not fade for 20 years. Coating evenness and diversified colors

After chemical treatment and the application of Henkel film technology, the adhesion between the paint and the aluminum-plastic plate is uniform and uniform, and the colors are diverse, so that you can choose more space and meet your personalized needs.

Easy for maintenance aluminum-plastic composite board, in terms of pollution resistance has been significantly improved. China's urban pollution is more serious, need to maintain and clean after a few years, due to good self-cleaning performance, only need neutral cleaning agent and water, after cleaning as new.

## Specification

Product	Aluminum Composite Panel, ACP
Aluminum skin	0.08/0.1/0.12/0.15/0.18/0.21/0.25/0.30/0.35/0.4/0.45/0.5mm
Panel Thickness	2-8mm
Size	1220*2440mm 1250mm*3050mm 1500*3050mm 2000*3000mm Customized
Color	60 colors, special colors available upon request
payment	L/C, T/T, Western Union, MoneyGram, Paypal
MOQ	100PCS
Delivery	10-15days after confirm your order

## Technical Data

Color different	$\Delta E \leq 2.0$
Pencil hardness	$\geq 2H$
Coating adhesion ( $\geq 1$ grade for 10*10mm <sup>2</sup> gridding test )	Grade 1
Impact test for paint(20KGNaN impact-paint no split for panel)	No split
Peeling strength/ stripping strength	5N/mm
Resist solvent ( 100times with Dimethy benzene without change )	No change
Coefficient of linear Thermal Expansion ( 100°C temperature difference)	2.4mm/m
Detergent resistance (3%)	No change
Chemical resistance ( 2%HCl or 2% NaOH test in 24 hours -No change )	No change
Boiling water resistance( 2 hours without change)	No change

## Application of Aluminum Composite Panel

1. Wall curtain, Cladding and Facade
2. Roof edges and Parapet wall
3. Dado, Separation wall and Partition
4. Interior wall, Ceiling, Bathroom, Kitchen and Balcony
5. Advertisement boards, display platforms and signboards
6. Column covers and Beam wraps



7. Industrial materials, vehicle and boat materials

