

Factory Direct Sale PVDF Aluminum Honeycomb Core Sandwich Panel for External Wall

Our Product Introduction

for more products please visit us on aluminumextrusion-profiles.com

Basic Information

- Certification: CCC, ISO9001
- Minimum Order Quantity: 200
- Price: 12

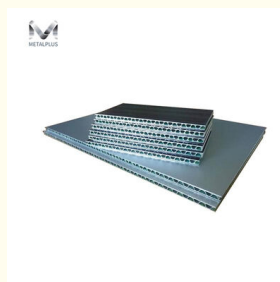


Product Specification

- Model NO.: Aluminum Composite Panel
- Feature: Environmental, Fireproof, Light Weight, Metal Panel
- Fire Rating: B1
- Customized: Customized
- Color: Customized
- Width: 1220/1250/1550mm
- Length: Within 6400mm
- Panel Thickness: 8mm
- Aluminum Thickness: 0.5mm
- Usage: External Wall, Curtain Wall, Interior, Advertising
- Transport Package: Pallet
- Specification: 1220*2400mm
- Trademark: MetalPlus
- Origin: China



More Images



Product Description

Factory Direct Sale PVDF Aluminum Honeycomb Core Sandwich Panel for External Wall

Products Navigation

Aluminum Composite Panels are flexible, formable, compact and stable which allows them to be used in various applications but mostly they are used in architecture and designing. They are used in external & internal architectural cladding or partitions, false ceilings, signage, machine coverings, container constructions, etc. Aluminum Composite Material panels used in making signs which you can see outside stores and such, and that is due to the Aluminum Composite Material being weather proof in addition to being light and durable.

Structure

Aluminum honeycomb panel is composed by **aluminum sheet+ aluminum honeycomb core + aluminum honeycomb sheet**

Aluminum honeycomb core is composed by multi-layer aluminum foil material and is available in various cell sizes with unique cell configurations that significantly strengthen the panel without deformation of the cell walls or loss of mechanical properties with the relevant thickness.

The honeycomb core surface is treated for corrosion resistance for durability purposes.

Product Description

ACCP Specification

Total Thickness	Top Alu Skin	Bottom Alu Skin	Width	Standard Length
3mm	0.5-1.0mm	0.4-1.0mm	1220/1250/1500mm	Any length within 6400mm
4mm	0.5-1.0mm	0.4-1.0mm		
5mm	0.5-1.0mm	0.5-1.0mm		
6mm	0.7-1.0mm	0.5-1.0mm		
7mm	0.7-1.0mm	0.5-1.0mm		
8mm	1.0mm	1.0mm		

Coating: PVDF, PE, Anodized, Mill Finished, Embossed, Granite etc

Features :

1. Big sizes and various shapes;
2. Light, high strength and evenness;
3. Fireproof, sound insulation, thermal insulation and anti-seismic;
4. Easily and quickly install and disassemble, conveniently clean;
5. Recycling and environment protection;
6. Special coating, smooth surface, not easy to make scratch;
7. No pinhole, no crack, no blister, can be used repeatedly.

Application Of Aluminum Honeycomb Panel :

1. Architectural Building Cladding and decoration, wall panel
2. Architectural Rainscreen Facades and canopies
3. Lightweight interior architectural panels
4. Lift and elevator flooring, walls & Partitions
5. Aerospace, Marine & Transport Flooring, Walls & Partitions
6. Silk Screen Printing Tables and billboards or direction boards
7. Furniture and tables.
8. CNC Vacuum Bases
9. Lightweight Floors, Walls, Ceilings, roofings, etc
10. Special Purpose Panel Design

**Metalplus specializes in aluminum industrial profiles & Aluminum Panel design and manufacturing.
Has a production base of more than 100,000 square meters, capacity more than 100,000 tons annually.**

Aluminum Profile	Aluminum Fan Blade Profiles
	Aluminum Profile System
	Aluminum Extrusion Enclosure
	LED Aluminum Extrusion Profiles
	Aluminum Frame
	Customized Aluminum Profile
	Aluminum Heat Sink
	Electric Motor Housing Aluminum profile
	Construction Aluminum Profile
	Aluminum Extrusion Tube
Die Casting	Die Casting Led Housing
	Stainless Steel Casting
	Aluminum Casting
ACP	Aluminum Composite Panel
Aluminum honeycomb panel	Aluminum honeycomb panel

Technical Support

1. Based on the customer's requirements, we help design the appearance of the extruded profiles, provide CAD drawings and 3D models for customer confirmation, customize the molds, and extrude the aluminum profiles that meet the customer's requirements.
2. For customers with design capabilities, our professional R&D team will analyze and optimize the design based on the customer's drawings and our experience in extrusion processing, using the most reasonable design to reduce production costs and improve product performance.
3. Our company adopts a "one-stop" service and production model, including product design, customized molds, aluminum bar melting and casting, extrusion profiling, precision machining, and surface treatment. We can effectively control the alloy composition of raw materials and maintain product accuracy throughout the production process, providing you with high-quality products.

Factory

Equipment

Extrusion

Equipped with 44 aluminum extrusion lines, MetalPlus is capable of producing various standards of commercial aluminum profiles and industrial aluminum profiles with maximum outer diameter of 350mm.

MetalPlus has 44 aluminum profile extrusion lines equipped with PLC control systems and precise molds. The largest extruder used in the MetalPlus factory is a 6800 ton unit. The machine is used for the production of industrial profiles in various shapes with a maximum diameter of 600mm. This allows us to satisfy the different requirements of our various customers. Some of the aluminum products produced by MetalPlus include radiators, industrial fan blades, motor enclosures, solar cell frames, doors, and windows.

MetalPlus can produce custom molds according to customer requirements. We have the abilities and experience to produce aluminum profiles with complex structures. We have our own R&D team so we can provide reasonable suggestions for our

customers in order to create superior products at affordable prices.

Anodizing

Anodizing is a process in which a layer of aluminum oxide is formed on the surface of aluminum alloy products when they are placed in an electrolyte solution and then an electrical current is applied. Oxidized aluminum profiles feature improved corrosion resistance so that the surface can withstand various weather conditions. Meanwhile, the aluminum oxide also increases the product's hardness and wear resistance. MetalPlus has 6 anodizing production lines. The profiles processed in our anodizing lines feature uniform oxidation film thickness and color giving them a beautiful appearance. The oxidized profiles come in various color options including silver, black, gold, champagne, and imitation steel. Other colors can be customized upon request.

The anodized products will all be inspected by highly trained professional inspectors. Defective products which cannot be re-processed will be directly scrapped. Products with uneven color will be de-coated and re-anodized until they can meet the requirements. This ensures that there is no color difference among each batch of products.

Painting

Our factory is equipped with 4 powder spraying lines and all of them are using high-quality spray nozzles from Gema Switzerland. In the meantime, MetalPlus only uses safe and environmental friendly paint with strong adhesive force as well as durable color retention.

CNC Machining

MetalPlus is equipped with highly advanced machining equipment sets. All fine machining processes are accomplished by technicians with rich industry experience. Strict industrial standards are adopted during production to ensure fine machining precision and product quality.

1. MetalPlus has 12 PRATIC machining centers which can be used for the milling, drilling or tapping of profiles from different angles. They are especially suitable for the production of long profiles up to 6 meters. The equipment sets can realize machining of complex profiles with the simplest methods
 2. MetalPlus has fully automatic cutting machines from Wegoma which can accomplish precise cutting with automatic and continuous material feeding, which means that the machines feature low labor cost and high production efficiency. Therefore, the cutting price of MetalPlus is significantly lower than that of the other enterprises in the industry.
 3. We have 30 punching machines of which the punching pressure ranges from 50 to 100 tons. They can be used for the punching of relatively thick profiles of which the thickness can be over 5MM. There are also 10 stretch bending machines/bending machines which can realize bending of profiles to arc or different angles. The machining angle is highly precise. The factory is also equipped with 10 milling machines, realizing machining of different planes, bevels or grooves so that we can satisfy different machining requirements of our customers.
-

Packing & Shipping

Finished products are packaged manually and ready for delivery. MetalPlus adopts strict warehouse management procedures; the finished product warehouse is divided into sections to store specific products, any in & out transactions have to be recorded and each product has to be examined before delivering.

Our Advantages

Light--Lighter than aluminum solid panel
Slim--Much cheaper than aluminum honeycomb panels
Strong--More durable than aluminum corrugated panels
Ultra Flat--Flatter than normal composite panels

Certifications

Company History

IN 2004 "THE RECOGNIZED BRAND OF THE BUILDING INDUSTRY MATERIAL MARKET"

IN 2006 "CERTIFICATE FOR PRODUCT EXEMPTION FROM QUALITY SURVEILLANCE INSPECTION " AND "ISO9001"

IN 2009 "ADVANCED COMPANY "

IN 2009 "JIANGSU FAMOUS BRAND CERTIFICAT "

IN 2009 "CERTIFICATE FOR CREDIBLE PRODUCT OF QUALITY IN JIANGSU PROVINCE"

IN 2012, ESTABLISHED THE BUSINESS RELATION SHIP WITH PANASONIC, LG.

IN 2015, BE AND INOVATIVE PRODUCER AN SUPPLYING PARTNER FOR EUROPE CLIENT.

IN 2017, DEVELOPED THE NEW PRODUCTS OF BASEBOARD HEATERS .

IN 2019, COOPERATE WITH THE WORLD'S LARGEST HEATER MANUFACTURERS , AND SUPPLY THE ALUMINUM SHELLS FOR THEM .WON A GOOD REPUTATION !

IN 2023, WE WILL CONFIDENCE TO DEVELOP OVERSEA DISTRIBUTOR , TO EXPAND MARKET FOR WIN-WIN BENEFITS .

Project

The Soccer City Stadium, in Johannesburg is one of the major project of south African, the 94 000 seat stadium is the largest capacity stadium in Africa.

We are very honored to participate in the construction of the project as the main supplier of aluminum!

The Soccer City Stadium won unanimous praise after it was built!

Lobster Trailers is a Nordic trailer giant ,we are very proud to cooperate with them.

Our professional R&D team analyze and improve upon Lobster's designs and then process them with our excellent processing equipment, exquisite technology.

We minimize production costs and improve product performance thanks our optimization proficiencies.

We are very glad that our local customer Dadn won the bid of the school project, and we supplied the Aluminum Legs of the school desks for them.

With our strong design and mature technics, we will help more customers to get the tender.