



Light Weight Fireproof B1 Aluminum Honeycomb Panel with Customizable Length for Structural Walls

Our Product Introduction

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

Basic Information

- Certification: CCC, ISO9001
- Minimum Order Quantity: 200
- Price: 12.5

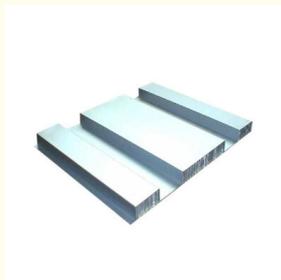


Product Specification

- Fire Rating: B1
- Width: 1220/1250/1550mm
- Length: Within 6400mm
- Panel Thickness: 8mm
- Aluminum Thickness: 0.5mm
- Standard Size: 1220*2400mm
- Top Alu Skin: 0.5-1.0mm
- Bottom Alu Skin: 0.4-1.0mm
- Honeycomb Core: Aluminum Foil
- Corrosion Resistance: Yes
- Production Capacity: 100000 Ton/Year
- Max Extrusion Diameter: 350mm
- Max Extruder Tonnage: 6800 Ton
- Anodizing Lines: 6
- Powder Spraying Lines: 4



More Images



Product Description

Lightweight Honeycomb Core Panel Structural Wall Aluminium Honeycomb Panels

Aluminum honeycomb panels are engineered composite materials consisting of aluminum sheet + aluminum honeycomb core + aluminum sheet. These panels offer exceptional strength-to-weight ratio and durability for structural wall applications.

Product Structure & Composition

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

Technical Specifications

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	1220/1250/1500mm	Any length within 6400mm
5mm	0.5-1.0mm	0.5-1.0mm	1220/1250/1500mm	Any length within 6400mm
6mm	0.7-1.0mm	0.5-1.0mm	1220/1250/1500mm	Any length within 6400mm
7mm	0.7-1.0mm	0.5-1.0mm	1220/1250/1500mm	Any length within 6400mm
8mm	1.0mm	1.0mm	1220/1250/1500mm	Any length within 6400mm

Manufacturing Capabilities

Metalplus specializes in aluminum industrial profile design and manufacturing with a production base of more than 100,000 square meters and annual capacity exceeding 100,000 tons.

Product Range

- 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

Technical Support Services

- Custom design services for extruded profiles including CAD drawings and 3D models
- Professional R&D team for design analysis and optimization
- Complete "one-stop" service from product design to surface treatment

Factory Equipment & Capabilities

Extrusion

44 aluminum extrusion lines with PLC control systems, capable of producing profiles with maximum outer diameter of 350mm. Largest extruder: 6800 ton unit for industrial profiles up to 600mm diameter.

Anodizing

6 anodizing production lines providing uniform oxidation film thickness and color options including silver, black, gold, champagne, and imitation

steel.

Painting

4 powder spraying lines using high-quality Gema Switzerland spray nozzles with environmentally friendly, durable paint.

CNC Machining

Advanced machining equipment including 12 PRATIC machining centers, automatic cutting machines, 30 punching machines, and specialized bending equipment.

Packing & Shipping

Strict warehouse management with manual packaging and comprehensive quality control before delivery.

Key Advantages

Lightweight

Lighter than aluminum solid panel

Cost-Effective

More affordable than solid honeycomb panels

Strong

More durable than aluminum corrugated panels

Ultra Flat

Flatter than normal composite panels

Certifications

Company History

2004 - Recognized brand of the building industry material market

2006 - Certificate for product exemption from quality surveillance inspection and ISO9001

2009 - Advanced company, Jiangsu famous brand certificate, Credible product of quality in Jiangsu Province

2012 - Established business relationships with Panasonic and LG

2015 - Innovative producer and supplying partner for European clients

2017 - Developed new baseboard heater products

2019 - Cooperated with world's largest heater manufacturers

2023 - Expanding overseas distributor network

Notable Projects

Soccer City Stadium, Johannesburg

94,000 seat stadium - the largest capacity stadium in Africa. Metalplus served as main aluminum supplier for this major construction project.

Lobster Trailers

Collaboration with Nordic trailer giant featuring design optimization and precision processing to minimize production costs and improve product performance.

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School Desk Project

Supplied aluminum legs for school desks, supporting local customer Dadn in winning school project bids through strong design capabilities and mature technology.

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