

COLOURFUL  
METAL

CREATE  
THE  
DIFFERENCE

ALUCOAT<sup>®</sup>  
ALUMINUM COMPOSITE PANEL

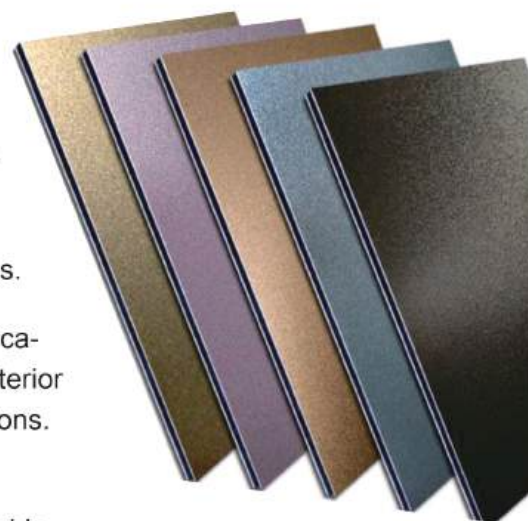
DECORATIVE+FUNCTIONALS

## OUR PRODUCT

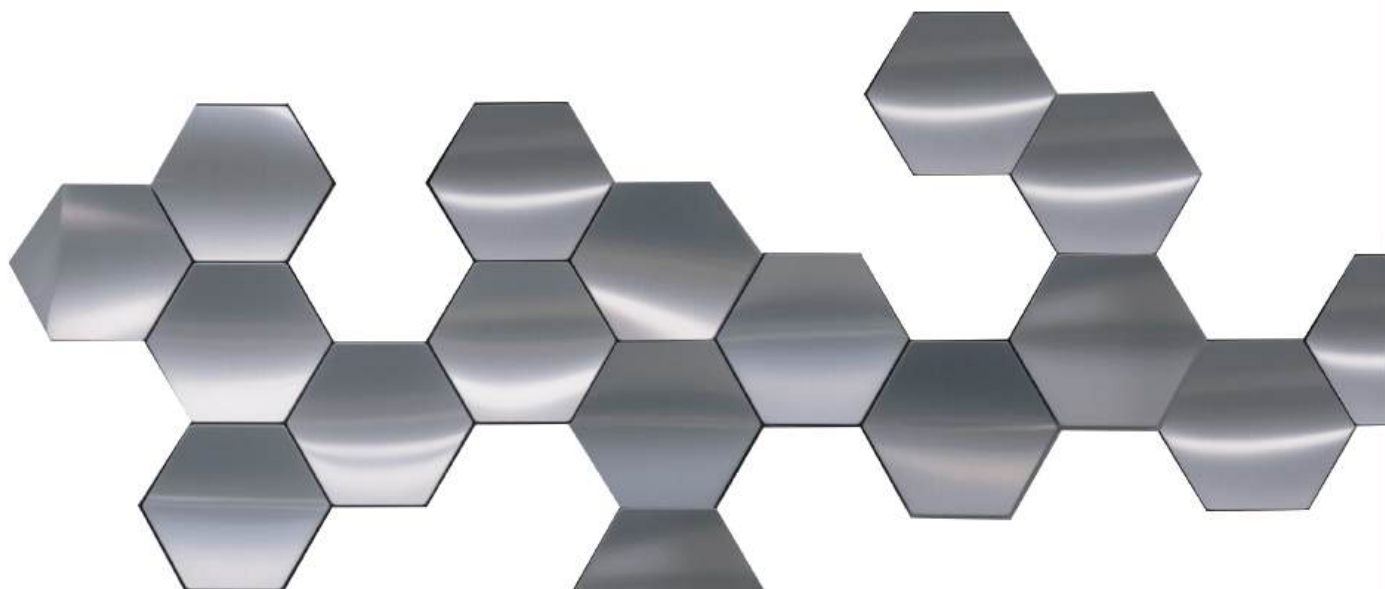
ALUCOAT<sup>®</sup> aluminum composite panels are comprised of a modied mineral core sandwiched between two sheets of coated aluminum, sandwiched in a modied mineral core, produced in a continuous and integrated co-extrusion process.

ALUCOAT<sup>®</sup> has varied uses, which range from outdoor applications such as façade cladding, indoor applications such as interior decorative ceiling panels as well as display/signage applications.

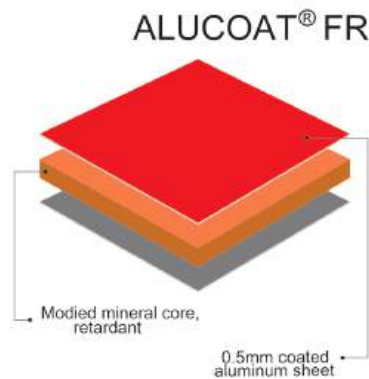
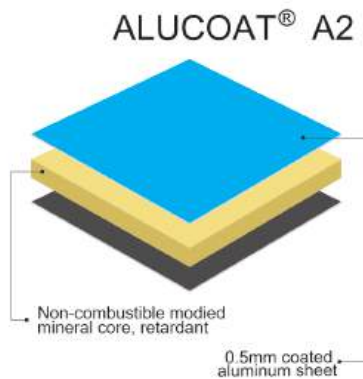
The thickness of the aluminum skin, as well as the overall thickness of the aluminum composite panel can be customizable based on customer requirement.



Panel thickness	Unit	4		
Aluminum Thickness	mm	0.30	0.40	0.50
Panel Weight	Kg/m <sup>2</sup>	5.13	5.47	5.81
Aluminum Alloy		1100/3003/5005		
Section modulus	cm <sup>3</sup> /m	1.25	1.25	1.25
Rigidity	KNcm <sup>2</sup> /m	1260	1680	2100
Modulus of Elasticity	N/mm <sup>2</sup>	70000	70000	70000
Tensile Strength Of Aluminum	N/mm <sup>2</sup>	Rm≥130	Rm≥130	Rm≥130
Elongation	%	A50≥5	A50≥5	A50≥5
Thermal Expansion Coefficient	10 <sup>-5</sup> °C <sup>-1</sup>	1.8	2.0	2.2
Peel strength	N	7	7	7



## CROSS-SECTION OF ALUCOAT® ALUMINUM COMPOSITE PANEL



## SPECIFICATIONS

WIDTH	1000mm, 1250mm, 1500mm
AVAILABLE PANEL THICKNESS	2mm—8mm
ALUMINUM SKIN THICKNESS	0.1mm—0.5mm
AVAILABLE LENGTH	Upto 6000mm
ADHESIVE FILM	High Strength Bonding Adhesive Film
CORE	Fire Retardant Modified Mineral Core
COLORS	Metallic, Solid, Textured, Brush, Anodized, Rock & Woodgrain
COATING	Kynar 500 & Hylar 5000 PVDF, Polyester Metallic and High Gloss High Durable Polyester
SPECIAL REQUIREMENTS	Custom sizes and color nishes available and conditional to fulling minimum order quantity requirements

## APPLICATIONS

- External Wall Cladding
- Curtain Wall, Internal Wall Finishes
- Building Arches, Fascias, Soffits
- Circular Columns, Spandrels, Beam Wraps
- Dados, Wall Canopies
- High stress usage areas
- Balustrades, Elevators
- Interior Partitions, Interior Doors, Ceiling Panels
- Kitchen Cabinets, Countertops, Cupboards, Benchtops
- Public/Commercial Display Walls, Advertisement Billboards
- Shop Signboards, Showroom Finishes
- Kiosk Panels, Display Cases, Exhibition Stands



## PE

A premium quality aluminum composite panel with a LDPE(Low-DensityPolyethylene) core sandwiched between two skins of 0.30,0.40 or 0.50 mm thick aluminum sheets. It is suggested to be used as the exterior, interior cladding and roof covering on new low buildings.

## FR

Made with a mineral fire retardant (FR) core sandwiched between two skins of aluminum sheets. Due to its hardly inflammable mineral-filled core, ALUCOAT FR can meet the higher requirements of the fire regulations. It achieves Class B-s1,d0 according to EN13501-1standard.

## A2

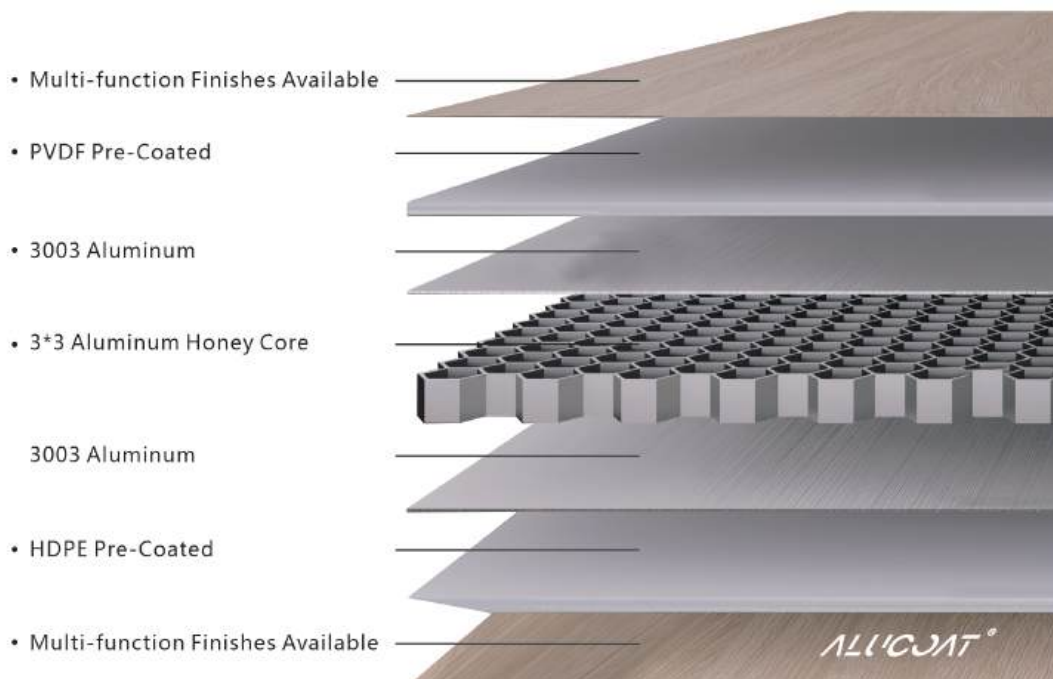
A non-combustible aluminum composite panel used in facade worldwide. ALUCOAT A2 is composed of natural inorganic mineral-filled core sandwiched between two skins of aluminum sheets. Due to its non-combustible mineral-filled core, ALUCOAT A2 meets the highest requirements of the fire regulations.



# ALUMINIUM HONEYCOMB PANEL

A type of lightweight, high-strength composite material widely used in industries such as aerospace, automotive, construction, and marine. These panels are made by bonding two thin layers of aluminum sheets to a honeycomb-shaped core, creating a material with excellent strength-to-weight ratio, durability, and versatility fire regulations.

Highly effective material solution for industries requiring lightweight, durable, and versatile components. Whether for enhancing fuel efficiency in aerospace or improving thermal insulation in buildings, their applications continue to grow due to their unique combination of properties.



## SPECIFICATIONS

WIDTH	1000mm, 1250mm, 1500mm
AVAILABLE PANEL THICKNESS	4mm—18mm
ALUMINUM SKIN THICKNESS	0.1mm—1mm
AVAILABLE LENGTH	Upto 8000mm
ADHESIVE FILM	High Strength Bonding Adhesive Film
CORE	Fire Retardant Modified ALU Core
COLORS	Metallic, Solid, Textured, Brush, Anodized, Rock & Woodgrain
COATING	Kynar 500 & Hylar 5000 PVDF, Polyester Metallic and High Gloss High Durable Polyester
SPECIAL REQUIREMENTS	Custom sizes and color nishes available and conditional to fulfilling minimum order quantity requirements

# ALUCOAT<sup>®</sup>

## ALUMINUM COMPOSITE PANEL



### QUALITY FUNDAMENTALS

- Product Transparency Product's Components on Every Linear Meter.
- Precise Dimensional Tolerances & Tight Control on Aluminum Coating Mass
- Continual Improvements Through Research and Development.



### SHORTEST LEAD TIME

- In-House Paint Mixing Station for Quick Paint Availability.
- Algorithm Logic Based Production Planning and Scheduling System for Prioritizing The Deliveries.
- Stocking of Finished Goods for Customers With Long Term Agreement.



### LABORATORIES

- Well-Equipped Laboratory Specialized in Metal Coating and Organic Coating.
- Precise Dimensional Tolerances & Tight Accredited Laboratory



### ON-LINE 24X7 CUSTOMER SUPPORT

- Enhanced Online E-Services
- Access The Information Even During Weekends and Beyond Working Hours and Get a Dynamic Response



### INNOVATIVE TECHNICAL & BUSINESS SOLUTIONS

- Wide Range of Products Meeting Various Business Needs
- Advise on Application Based Product Selection
- Protection of All Business Dealings



### AFTER SALES TECHNICAL SUPPORT AND ADVISE

- Strict Adherence to Quality Management, Health and safety Management including Laboratory Accreditation.
- Quick Organizational Response to After Sales Technical Queries.



### ZHEJIANG COIL COAT ALUMINUM CO.,LTD.

ADD : No.1 Hongxi Road, Hongjia, Jiaojiang, Taizhou, Zhejiang, China  
PC : 318000  
MOB : +86-15657666665  
Email : [sales@coilcoat.com](mailto:sales@coilcoat.com)  
Website : [www.coilcoat.com](http://www.coilcoat.com)  
[www.alucoat.com](http://www.alucoat.com)