

ALUCOVERBOND

Product Catalog

Aluminum composite panels for building cladding, signage, transportation and industrial applications. Sixteen products across five series, produced on our own chemosynthesis, precision coating and lamination lines in Jiangyin, China.

Company

Company	Jiangyin ACP Industry Co., Ltd.
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Series 01 — ACP for Cladding

Coated aluminum composite panels built for permanent exposure — fluorocarbon and polyester systems, 2 to 6 mm total thickness, in widths up to 2000 mm.

Product	Type	Description
PVDF Coated ACP	PVDF · 15–20yr Warranty	KYNAR500-based fluorocarbon coating baked 2–3 times for a 25 µm+ film. The standard choice for exterior wall cladding.
Nano PVDF Coated ACP	PVDF · Self-cleaning	Nano-treated surface adds self-cleaning behaviour to PVDF durability — dirt washes away with rain.
PE Coated ACP	PE · 10yr Warranty	Polyester coated panels for interior and short-term exterior use. Cost-effective with good formability.

Series 02 — Fire-Rated ACP

Class A2 mineral-core and Class B1 flame-retardant composite panels, supplied with EN 13501-1, GB 8624-2012 and ASTM E84 test reports.

Product	Type	Description
FR A2 ACP	A2 · EN 13501-1	Class A2 fire-rated panel with a high mineral content core for high-rise facades and public buildings under the strictest fire regulations.

Product	Type	Description
FR B1 ACP	B1 · GB 8624	Class B1 fireproof panel balancing fire performance, flatness and cost — the workhorse for regulated cladding projects.

Series 03 — New Generation ACP

Ultra-wide 2000 mm panels, aluminium lattice-core panels and metal-skin composites — formats that change what an elevation can do.

Product	Type	Description
2M Width ACP	Ultra-wide · 2000mm	2000 mm ultra-wide panels mean fewer joints, faster installation and a cleaner facade — also ideal for large signage.
Lattice Composite Panel	Lattice Core	Aluminium lattice core delivers high rigidity at low weight — the strength of honeycomb construction with ACP economics.
Metal Composite Panel	Stainless / Copper	Stainless, copper and other metal skins laminated in-house for premium architectural expressions.

Series 04 — Special Finishes ACP

Decorative coating and lamination systems that keep the fabrication behaviour of ordinary ACP while changing what the surface does with light.

Product	Type	Description
Brushed ACP	Brushed · Directional	Directional brushed texture for premium interiors, lift cars and feature walls.
Mirror ACP	Mirror · High Gloss	High-gloss mirror surfaces for feature walls, ceilings and display work.
Wooden Finish ACP	B1 · Decorative	Realistic wood grains with ACP durability — for decoration, furniture and warm architectural accents.
Spectra ACP	Spectra · Colour Shift	Colour-shifting coatings that change character with viewing angle and light.
Nacreous ACP	Nacreous · Pearl	Pearlescent coatings with a soft depth that changes with light rather than with angle.

Series 05 — ACP for Sign

Matt and gloss polyester surfaces engineered for ink adhesion, plus FEVE-coated panels where a sign has to survive outdoors for decades.

Product	Type	Description
Polyester Coated Matt ACP	Matt · UV Print	Matt surface optimized for UV printing with excellent ink adhesion and an anti-glare finish.
Polyester Coated Gloss ACP	Gloss · Digital Print	High-gloss surface engineered for digital printing — vivid colour reproduction and a smooth finish.
FEVE Coated ACP	FEVE · Premium	FEVE resin coating combines gloss retention with formability — a step up for demanding sign and facade applications.

Standard Specifications

Standard widths	1220 / 1250 / 1500 / 1550 / 2000 mm
Standard lengths	2440 / 3050 / 4880 mm
Total thickness	2 – 6 mm
Aluminum skin thickness	from 0.30 mm (customizable)
Coating thickness	≥ 25 μm (measured 27–30 μm)
180° peel strength	≥ 7.0 N/mm (measured 11.2 N/mm)
Bending strength	≥ 100 MPa (measured 121 MPa)
Salt spray resistance	3000 h, grade 1
Artificial weathering	4000 h, color difference ≤ 4.0 (measured 1.24)
MOQ	500 m² per color
Colors	36+ standard colors, unlimited custom matching
Packing	Strong wooden pallet or nude packing

Quality Control Test Regime

Coating thickness	≥ 25 μm, verified per batch
Pencil hardness	≥ HB (typical result: H)
Boiling water resistance	2 h, no change
Acid / alkali resistance	5% HCl and 5% NaOH, 24 h, no change
Solvent resistance	100 rubs, base coat not exposed
Salt spray resistance	3000 h, grade 1
Accelerated weathering	4000 h, color difference ≤ 4.0 (typical: 1.24)
Peel strength (180°)	≥ 7.0 N/mm (typical: 11.2 N/mm)

Certifications

ISO 9001	Quality management system
ISO 14001	Environmental management system
CE marking	European conformity, EN 13501-1 fire classification
EN 13501-1	A2-s1, d0 report from an EU-notified body
GB 8624-2012	A2 and B1 reports, National Center for Building Materials Testing
ASTM E84	Class A report for the North American market
SGS-tested	Annual third-party verification

Commercial Terms

MOQ	500 m ² per colour; 1,000 m ² for fully custom colours
Lead time	7 days from deposit on stocked colours; about 15 days from colour approval on custom colours
Container loading	About 3,500 m ² in a 20ft; about 8,500 m ² in a 40ft HQ (1220 × 2440 × 4 mm)
Incoterms	FOB Shanghai or Ningbo, CIF, CFR, EXW Jiangyin
Payment	New customers: 30% T/T deposit, 70% against copy of B/L
Packing	Nude on wooden pallet, or wooden-pallet packing with corner protection (about +3%)

Certificates and recent test data are available on request. CAD files are shared on request via WhatsApp or email rather than published.