

ALUCOVERBOND

Specification Sheet

Formats, tolerances, coating systems and the full quality control test regime on a single sheet for a tender pack. Test sample: PVDF ACM 4 × 0.30 mm — all 18 test items passed.

Formats And Core Data

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

Coating Systems

Coating	Typical warranty	Position
PVDF (Kynar 500-based)	15–20 years	Exterior facades, curtain walls, high-rise cladding
FEVE (Lumiflon-based)	25+ years	Coastal, high-pollution and signature buildings
HDPE	10 years	Matte interiors, retail, lift interiors
PE (polyester)	5–10 years	Interior decoration, short-term outdoor signage

Core Options

Polyethylene core	GB 8624 B2 — interior decoration only
Flame-retardant core	GB 8624 B1 — slow flame spread
Mineral core	EN 13501-1 A2-s1, d0 and GB 8624 A2 — practically non-combustible
Aluminium lattice core	High rigidity at low weight for long spans

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

Production Lines

Chemosynthesis Line	Coil cleaning and conversion coating before any paint is applied.
Precision Coating Line	Three-roller reversal coater in a sealed dustless environment.
Lamination Line	Metal, core and adhesive film bonded under heat and pressure.

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%)

Contact

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