

ALUCOVERBOND

Installation Guide

Joint systems, bending radius, routing and folding, panel sizing and site handling for ALUCOVERBOND aluminum composite panels.

Joint Systems

	Flush-joint (■■)	Open-joint (■■)
Appearance	Continuous surface, no gaps or shadow lines	Deliberate 8–16 mm gap, shadow-line rhythm
Fabrication	Four routed and folded edges per panel; precise dimensions	Flat-cut panels, no folding, tolerant of small errors
Weather barrier	Folded edges and sealant at key points	Membrane or sealed back-pan one layer behind
Installation speed	Baseline	About 30–40% faster
Best for	Low and mid-rise, column covers, soffits, interiors	High-rise curtain walls, ventilated rainscreens

Fabrication Limits

Minimum bending radius	30 cm for a 4 mm panel, cold bent
Routing and folding	Standard CNC routing; 3D shapes including double-curved and faceted surfaces
Cutting and punching	Standard wood-working tools — no special blades required
Pre-fabrication	Complex shapes can be pre-fabricated in our factory from your CAD drawings
Directional finishes	Brushed, wood-grain and some metallics are directional — state grain direction on the cutting list

Panel Sizing

Standard widths	1220 / 1250 / 1500 / 1550 / 2000 mm
Standard lengths	2440 / 3050 / 4880 mm
Total thickness	2 – 6 mm
Sizing method	Size panels from the elevation rather than the sheet — a schedule cut to the bays reduces order quantity and waste

On Site

Handling

A 2000 mm panel needs a wider vehicle, a wider lift and more people than a 1220 mm sheet. Plan access before specifying wide format.

Protective film

Leave the film on through cutting, routing and installation. Remove it within the period stated on the film to avoid adhesive residue.

Thermal movement

Aluminium expands. Open joints absorb movement naturally; flush joints must be engineered with adequate panel counts and fixing flexibility.

Storage

Store panels flat and stacked on a pallet, off the ground and out of standing water.

Cleaning

Plain water and a soft brush or cloth. No abrasives and no solvent cleaners. On brushed finishes, wipe along the grain.

Who Should Install

For a small interior feature wall a competent carpenter can install ACP with basic guidance. For a full exterior facade an experienced ACP installer is essential. Detailed installation drawings are sent with every order, and we supply matching aluminium profiles for both joint systems. CAD details are shared on request via WhatsApp or email.

Contact

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