



Aluminum Composite

3mm & 6mm Aluminum Composite — PE Core

Aluminum faces bonded to polyethylene core for storefront, construction and long-term outdoor durability.

Environment: Indoor & Outdoor | **Print sides:** Single or double-sided

Size: Custom size | **Longevity:** Long-term

COMMON USES

- Storefronts
- Construction sites
- Real estate
- Architectural signs

OPTIONS

- Contour cut

TECHNICAL DATA — PANEL PROPERTIES

Panel thickness	3 mm & 6 mm
Weight (ref.)	~3.55 kg/m² (typical ACM class)
Aluminum face thickness	~0.15 mm (typical)
Core composition	Polyethylene
Water absorption % by volume	~0.01
Thermal performance R (ref.)	~0.0057
Flammability (BS476 ref. class)	Part 6 Class 0 / Part 7 Class 1 (product dependent)
Thickness tolerance	-0 / +0.2 mm
Width / length tolerance	±2 mm / ±3 mm
Diagonal tolerance	±5 mm
Thermal expansion	~2.4 mm/m @ 100°C temperature difference
Paint thickness (micron)	~20
Pencil hardness	>HB
Temperature resistance	-50°C to +90°C (-58°F to +194°F)
Peel strength	>5 N/mm
Print	UV direct print to face



Specifications are for guidance based on typical substrate data. Confirm final specs with Signs Fast & Affordable when ordering. High-resolution print-ready artwork recommended. Contour / custom cut paths must be reviewed on design-service jobs.