

**MAVERICK
MATERIALS**



ACM

ACM is a rigid yet lightweight panel made of two aluminium layers bonded to a polyethylene core, offering exceptional strength, weather resistance, and a smooth surface. Ideal for signage, cladding, interior design, and architectural applications, it is durable, corrosion-resistant, UV-stable, and weather-proof.

ACM is easy to cut, bend, and install, making it the go-to choice for fabricators, architects, and signage professionals.

Maverick Materials provide premium ACM panels built for performance and durability. Upgrade your projects today!

KEY FEATURES & BENEFITS

- **High Durability** – High strength-to-weight ratio for easy handling.
- **Weather & UV Resistance** – Ideal for outdoor and indoor applications.
- **Smooth Printable Surface** – Perfect for digital printing, vinyl application, and signage.
- **Design Versatility** - 3mm is ideal for flat signage, displays, and inserts. 4mm is suitable for both flat panels and fabricated applications like custom boxes and bespoke signage.

COMMON APPLICATIONS

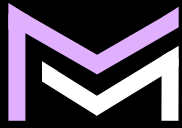
- **Signage & Displays** – Durable panels for shopfronts, billboards, and branding.
- **Architectural & Cladding** – Used for modern facades, wall panels, and partitions.
- **Feature Walls & Screens** – Sleek panels for ceilings, decorative walls, and furniture.
- **Industrial & Transport** – Protective panels for vehicles and machinery enclosures.

**TECHNICAL SPECIFICATIONS
ON THE NEXT PAGE**

ACM PRODUCT RANGE

Colour & Finish (Side A/Side B)	Thicknesses (Panel/Skin)
Gloss White/Gloss Black	3mm/0.15mm
	4mm/0.21mm
All sheets come in a standard size of 2440mm x 1220mm	





ALUMINIUM COMPOSITE MATERIAL PANEL TECHNICAL SPECIFICATIONS

Panel/Skin Thickness	3mm/0.15mm	4mm/0.21mm
Density	3.96 kg/m ²	5.31 kg/m ²
Section Modulus W	1.25 cm ³ /m	1.25 cm ³ /m
Rigidity(Poisson's ratio $\mu=0.3$) E.J	0.14 kNm ² /m	0.14 kNm ² /m
Alloy	1100 ENAW	1100 ENAW
Temper of Cover Sheets	H18	H18
Modulus of Elasticity	70,000 N/mm ²	70,000 N/mm ²
0.2% Proof Stress	Rpo0.2 \geq 100 N/mm ²	Rpo0.2 \geq 100 N/mm ²
Elongation	A50 \geq 2 %	A50 \geq 2 %
Pencil Hardness	2H	2H
Adhesion of Coating	5B	5B
Impact Resistance	>160 lb.inch	>160 lb.inch
Peel Strength	0.658 kgf/mm	0.658 kgf/mm
Shear Strength	26.6 Mpa	26.6 Mpa
Tensile Strength of Aluminium	48.2 Mpa	48.2 Mpa
Thermal Conductivity	0.128 W/(m.K)	0.128 W/(m.K)
Coefficient of Linear Thermal Expansion	Average 199.9/10 ⁶	Average 199.9/10 ⁶
Sound Absorption Factor	0.05	0.05
Sound Transmission Loss	25 dB	25 dB

