



Cebelio

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ACM Sheet

Aluminium composite panel sheet

Description

Aluminium Composite Panel (ACM) is a widely used material that consists of a polyethylene core sandwiched between two thin aluminium sheets, the result is a lightweight and very rigid panel.

ACM is a smooth, flat and attractive material that is a popular choice for signage and exhibition displays.

Uses

ACM is used widely for both indoor and outdoor uses. Common applications include:

- Advertising Signage and exhibition displays
- Digital and Screen printing
- Framing
- Partition and screens
- Exterior and interior signage

Basic info

- ✓ Rigid but lightweight
- ✓ Easy to machine and fabricate
- ✓ Very flat and smooth surface
- ✓ Suitable for both interior exterior use
- ✓ Digital and screen printable





Technical Data

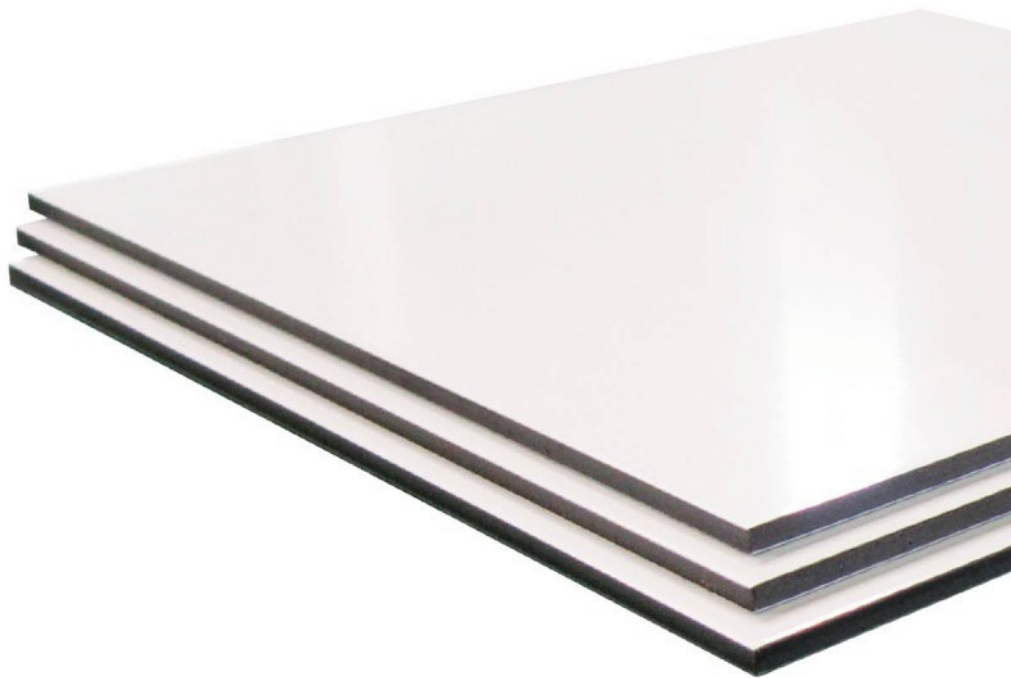
Availability

| Colour (2 sided) | Gauge mm | Sheet sizes mm |
|-------------------------|----------|---|
| White Matt / Digital | 3.00 | 2440 x 1220 |
| White / White | 4.00 | 2440 x 1220, 3050 x 1500, 3050 x 2000, 3660 x 1500, 4800 x 1500 |
| Black/White | 4.00 | 2440 x 1220, 3050 x 1500, 3660 x 1500, 4800 x 1500 |
| White / White Matt | 4.00 | 2440 x 1220, 3050 x 1500 |
| White / Silver | 4.00 | 2440 x 1220, 3050 x 1500, 3660 x 1500 |
| White / Blue | 4.00 | 2440 x 1220 |
| White / Red | 4.00 | 2440 x 1220 |
| White / Yellow | 4.00 | 2440 x 1220 |
| White / Green | 4.00 | 2440 x 1220 |
| Black / Black | 4.00 | 2440 x 1220, 3050 x 1500, 3660 x 1500 |
| White / Brushed Silver | 4.00 | 2440 x 1220 |
| White Gloss / Mill | 4.00 | 2440 x 1220, 3050 x 1500 |
| Anthracite / Orange | 4.00 | 3660 x 1500 |
| Silver / Brushed Silver | 4.00 | 2440 x 1220 |
| White/ Avocado | 4.00 | 4050 x 1500 |
| Matt Black / Matt Black | 4.00 | 3050 x 1500 |

Technical Properties

| Property | Result * 4mm ACM only |
|--|---|
| Panel Weight (kg/m ²) | 4.8 |
| Aluminium sheet thickness (mm) | 0.30 |
| Panel thickness tolerance (mm) | +/- 0.2 |
| Panel width tolerance (mm) | +/- 2 |
| Panel length tolerance (mm) | +/- 3 |
| Panel diagonal tolerance (mm) | +/-5 |
| Aluminium sheet thickness tolerance (mm) | +/-0.02 |
| Paint thickness (micron) | 20 +/- 2 |
| Paint pencil hardness | >HB |
| Paint toughness | 3 T |
| Impact strength (kg/cm) | 50 |
| Temperature resistance | -50°C to + 90°C (subject to thermal expansion and contraction |
| Fire Resistance | NOT FIRE RESISTANT. Is a combustible, Flammable Material |
| Peel strength (180°) | >5 Newton/mm |
| Boiling water resistance | 2 hours without change |
| Solvent resistance | change100 times with Dimethylbenzene without change |
| Cleaning resistance | Over 100 times without change |

*The results of this Data sheet are just for information or comparison purposes only and should be used as a guide. This information is believed to be accurate. It is intended for professional end users who have the skills required to evaluate and use the data properly. Cebelio Holdings LTD. does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.



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