



# MASTERBOND ACP FABRICATION

## ALUMINIUM COMPOSITE PANEL

### Product Overview

Masterbond ACP Fabrication is a range of digital aluminium composite panels with the ability to be fabricated, folded and formed.

Ideal for many applications, from eye-catching signage, innovative point of sale displays to highly effective way finding solutions.

Made using the highest grade materials, Masterbond ACP offers superb rigidity and impact resistance.

The high grade aluminium skin comes in a range of colours and finishes. All surfaces have been developed specifically for digital and screen printing.

### Key Features

- Versatile & easily formable
- Uniform, flat surface
- Clean easy-peel film
- Lightweight yet rigid
- UV resistant for outdoor use
- Enhanced corrosion resistance
- High quality PE core
- Co-extruded adhesive for superior bond
- 0.3mm high grade aluminium skin

### Applications

- Sign Making
- Wayfinding
- 3D Lettering
- Standoff Lettering
- Lightweight Hanging Signs
- POS Displays
- Modular Sign Systems
- Shop/External Fascias
- Exhibition Design
- Outdoor Advertising
- Interior Panels & Decoration
- Direct UV & Screen Printing or Vinyl Application
- External Facades
- Interior Cladding



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### Product Specifications

Thickness (mm)		3	3	3	3	3	3	4	
Skin Finishes		Matt/ Gloss	Matt/ Matt	Brush/ Silver	Black Gloss/ Matt	Red Gloss/ Matt	Blue Gloss/ Matt	Matt/ Primer	
Sheet Sizes (mm)	1220 x 2440	◆	◆	◆	◆	◆	◆	◆	
	1500 x 3050	◆	◆	◆				◆	
Skin Thickness (mil)		0.3							
Sheet Weight (kg/m <sup>2</sup> )		3.8							4.75
Sound Attenuation		24							25
Thermal Performance R Values		0.0080							0.0113
Core Composition	LDPE								
Sound Absorption	0.05								
Fire Performance	EN 13501-1:2007 Class D								
Tensile Strength of Aluminium Layers (MPa)	149								
Thermal Expansion	2.4mm/m @100°C Temp Difference								
Pencil Hardness	2H								
Toughness of Coating	3T								
Temperature Resistance (°C)	-50 to +80								
Boiling Water Resistance	Boiling for 2hrs without change								
Acid Resistance	Surface immersed in 2% HCl for 24hrs without change								
Alkali Resistance	Surface immersed in NaHO engine oil for 24hrs without change								
Oil Resistance	Surface immersed in 20# engine oil for 24hrs without change								
Solvent Resistance	Cleaned 100 times with Dimethylbenzene without change								
Cleaning Resistance	>1000 times without change								
Peel Strength	>5 Newton/mm								

Product Performance and Suitability: We believe the statements and information contained herein are accurate but are to be used only as general guidelines and are not warrants or guarantees. Because of the variety of possible uses, there is no warranty of fitness for a particular purpose. The buyer must test the suitability for each intended application before using. Aarque Group Ltd will not be liable for damages in excess of the purchase price of its products or for incidental or consequential damages. Should any failure to conform to this warranty appear within one year of the initial date of shipment, Aarque Group Ltd shall, upon notification thereof and substantiation that the products have been stored and applied in accordance with Aarque Group Ltd's standards, correct such defects by suitable repair or replacement without charge at Aarque Group Ltd's plant or at the location of the products (at Aarque Group Ltd's election); provided, however, if Aarque Group Ltd determines that repair or replacement is not commercially practical, Aarque Group Ltd shall issue a credit in favour of the buyer in an amount not to exceed the initial purchase price of the product from Aarque Group Ltd.

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