

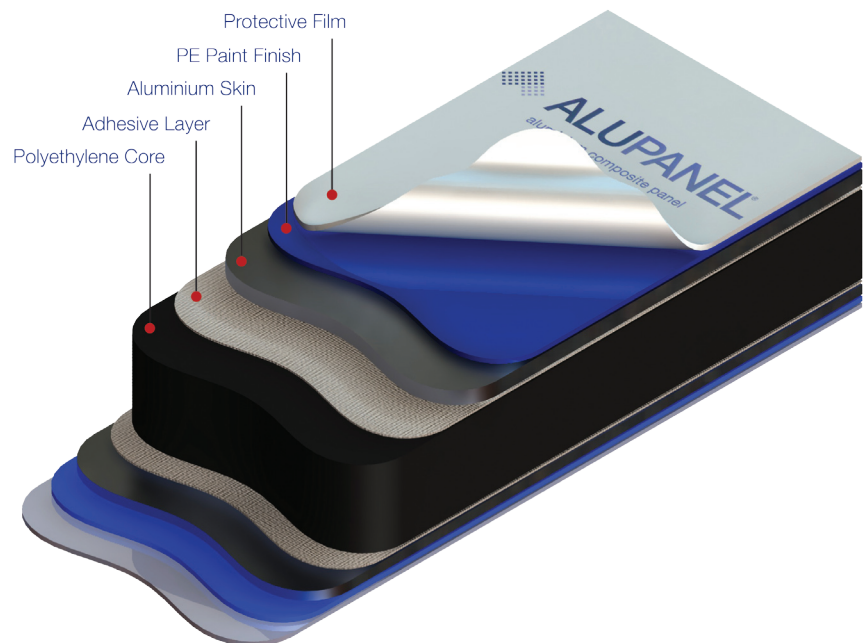


Product Information

Introduction

Alupanel aluminium composite sheet consists of a polyethylene core sandwiched between two 0.3mm aluminium skins. With the ability to be fabricated, folded and formed and with an extensive range of colours and finishes, Alupanel combines durability with flexibility.

Available in a range of different thicknesses, Alupanel is a dual sided sheet with one side in high gloss and the reverse in a matt finish. Particularly suited to high wear environments, this robust aluminium composite sheet is the premium quality product in the range.



Applications

- ◆ Printing Direct
- ◆ Sign Making
- ◆ Wayfinding
- ◆ POS Displays
- ◆ Shopfitting
- ◆ Exhibition Design
- ◆ Outdoor Advertising

Why use ALUPANEL?

- ◆ Rigid, lightweight panel
- ◆ UV resistant for outdoor use
- ◆ Flat, smooth, uniform surface
- ◆ For screen and digital print
- ◆ Fabricated, folded and formed
- ◆ Clean, easy peel film
- ◆ Premium quality product





ALUPANEL

aluminium composite panel

Property	Standard Index	Units	Value / Thickness				
			2mm	3mm	4mm	6mm	8mm
Physical							
Aluminium Thickness		mm	0.30				0.40
Face Finish		-	High Gloss / Matt				
Weight		kg/m ²	2.9	3.8	4.75	6.6	8.79
Core Composition		-	LDPE				
Thickness Tolerance		mm	-0 +0.2				
Aluminium Thickness Tolerance		-	As specified in EN485-4				
Mechanical							
Surface Pencil Hardness	> HB		2H				
Paint Thickness		micron	20				
Toughness of Coating			3T				
Peel Strength	180°	N/mm	> 5				
Tensile Strength of Aluminium Layers		MPa	149				
Thermal							
Temperature Resistance		°C	-50 to +90				
Thermal Expansion		mm/m°C	0.024				
Thermal Resistance	R	m ² K/W	0.0057				
Chemical Resistance							
Boiling Water Resistance	2 Hours		No Change				
Hydrochloric Acid Resistance	24Hr @ 2% HC1		No Change				
Oil Resistance	24Hr @ 2% Engine Oil		No Change				
Solvent Resistance	100 x Dimethylbenzene		No Change				

Flammability	
Standard	Classification
BS476 Part 7	Class 1
BS476 Part 6	Class 0

Sheet Sizes and Tolerances			
Width	Tol	Length	Tol
1000	± 2mm	2440 / 3050	± 3mm
1220		2440 / 3050	
1500		3050 / 4050	
2000		3050 / 4050	



Guarantee

Alupanel comes with a 5 year guarantee for internal and external use. (For Brushed and Mirror finishes this warranty covers internal use only.)

Call +44 (0) 1392 823015 for more information or to contact your local sales manager or distributor.