



ALUPANEL A-LITE[®]
aluminium composite panel

NEW
A5005
ALLOY

Product Information

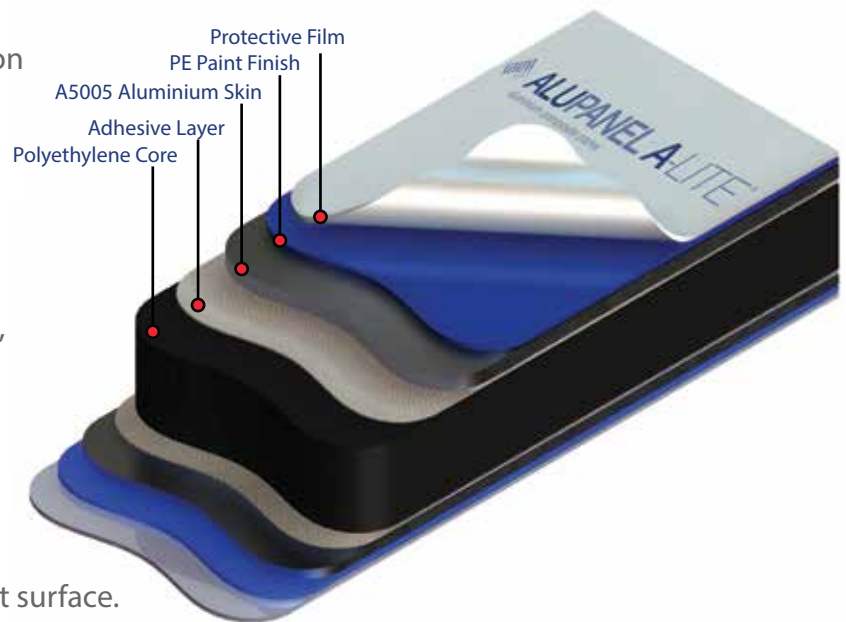
Introduction

In common with the excellent specification of the whole **Alupanel**[®] range, the new A-Lite panel is made in England using the highest grade materials.

The superior Polyethylene core, specially developed paint system and unique easy-peel protection film are all there but, new for this premium panel is the 0.2mm A5005 alloy skin.

Providing ourstanding corrosion resistance, this marine grade alloy also adds to the rigidity and impact resistance of the panel whilst ensuring a smooth, flat surface.

Both sides of the panel are ultra-white matt finish that has been developed specifically for digital and screen printing to help display colours with increased brightness and intensity with the added benefit of greater durability.



Applications

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

Why use ALUPANEL A-Lite?

- Rigid, lightweight panel
- A5005 Alloy skin provides excellent corrosion resistance
- Flat, smooth, uniform surface
- Specially developed ultra-white finish
- Clean, easy-peel film
- Premium quality product





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Property	Standard Index	Units	Value / Thickness			
			2mm	3mm	4mm	6mm
Physical						
Aluminium Thickness		mm	0.20			
Face Finish		-	Digital Matt / Digital Matt			
Weight		kg/m ²	2.6	3.5	4.5	6.3
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	> 4			
Tensile Strength of Aluminium Layers		MPa	170			
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% HCl		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	2050 / 3050	± 3mm
1220		2440 / 3050	
1250		2500 / 3050	
1500		3050 / 4050	
2000		3050 / 4050	



Guarantee

Alupanel comes with a 5 year guarantee for internal and external use.

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