



ALUPANELSMART

aluminium composite panel



Alupanel Smart aluminium composite sheet consists of a polyethylene core sandwiched between two 0.26mm aluminium skins. With the ability to be fabricated, folded and formed, Alupanel Smart combines durability with flexibility.

Applications



Printing direct



Sign making



Wayfinding



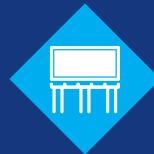
POS Displays



Shop-fitting



Exhibition design



Outdoor advertising

Why use Alupanel Smart?

-  Uniform, flat surface
-  UV Resistant for outdoor use
-  Versatile and easily formable
-  Lightweight yet rigid
-  Clean, easy-peel film
-  Five year warranty





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Available in a range of thicknesses, Alupanel Smart can be supplied either as a dual-sided sheet with one side high-gloss and the reverse in a matt finish or with matt on both sides. Particularly suited to high wear environments, this robust aluminium composite sheet is premium quality product.

Property	Standard	Units	Value / Thickness			
			2mm	3mm	4mm	6mm
Physical						
Aluminium Thickness		mm	0.26			
Face Finish		-	Ultrawhite Gloss / Matt or Matt / Matt			
Weight		kg/m ²	2.72	3.62	4.57	6.42
Core Composition		-	LDPE			
Thickness Tolerance		mm	-0 +0.2			
Aluminium Thickness Tolerance		-	As specified in EN485-4			

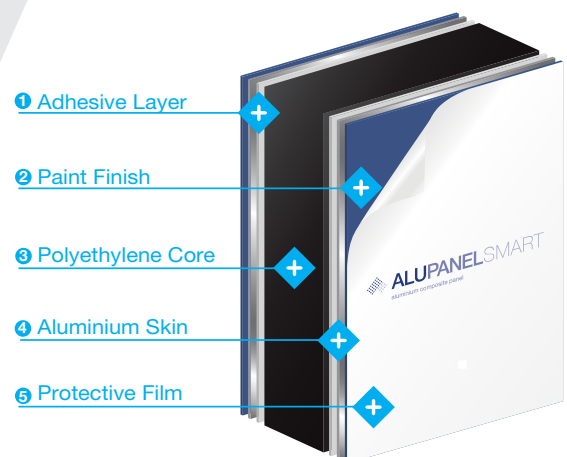
Mechanical						
Surface Pencil Hardness	> HB					2H
Paint Thickness		micron				20
Toughness of Coating						3T
Peel Strength		N/mm				> 5
Tensile Strength of Aluminium Layers		MPa				149

Thermal						
Temperature Resistance		°C				-50 to +80
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
EN13501-1	Class D

Sheet Sizes and Tolerances			
Width	Tol	Length	Tol
1250	± 2mm	2500	± 3mm
1500	± 2mm	3050 / 4050	± 3mm
2000	± 2mm	3050	± 3mm



MULTIPANELUK[™]
a multitude of applications

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