ALUPANEL A-LITE DIGITAL

aluminium composite panel

Technical Details

Nov 2026

Property	Units	Value			
Physical		2mm	3mm	4mm	6mm
Skin	mm	0.22	0.22	0.22	0.22
Weight	Kg/m^2	2.66	3.61	4.56	6.46
Face Finish		Enhanced Digital Polyester			
Core Composition		100% Recycled LDPE core			
Panel Thickness Tolerance	mm	+/- 0.2			+/- 0.4
Sheet Flatness Tolerance	0 – ≤2mm across any measured point of the panel perimeter from a flat surface				
Aluminium Thickness Tolerance		Complies to EN 485-3			
Aluminium Alloy		5005			
Core Density	g/cm^3	0.94 (+/- 0.03)			
Width Tolerance	mm	0 - +2			
Length Tolerance	mm	0 - +3			
Diagonal Tolerance	mm	0 - +4			
Mechanical					
Rigidity	$kNcm^3/m$	223	540	995	2410
Surface Pencil Hardness		> HB			
Toughness of Coating		3T			
Peel Strength	N/mm	> 3			
Tensile Strength of Aluminium Layers	MPa	160			
Modulus of Elasticity	N/mm^2	70'000			
Gloss Level Tolerance		+/- 5%			
Impact Strength	Kg/cm^3	42			
Thermal					
Temperature Resistance	°C	-20 to +80			
Thermal Expansion	mm/m°C	0.024			
Thermal Resistance	m^2K/W	0.0057			

Fire Classification

Standard: EN13501 Class: C-s2,do

Guarantee:
Alupanel A-Lite Digital has a 2-year limited warranty for external use of the panel. Print quality is dependent on the hardware, consumables and their application used in production.

Did you know...

Fire Rating: for print projects in public areas and events which require a higher level of fire rating we also have *an **NF P95-501 M1*** classified core version of the product- ask your sales rep for more information.

Recycling: All products from the Alupanel PE core range can be recycled after use- ask your sales rep about our Closed Loop Recycling Scheme

MULTIPANEL UK LTD

a multitude of applications

UK Head Office: +44 1304 831319 USA Office: +1 718 841 9940

www.multipaneluk.co.uk

