

Technical Details

Date 07/2025

Property	Units	Value			
		2mm	3mm	4mm	6mm
Physical					
Aluminium Thickness	mm	0.2	0.2	0.2	0.2
Weight	Kg/m ²	2.6	3.5	4.5	6.3
Face Finish	Enhanced Digital Polyester				
Core Composition	100% Recycled, washed, filtered post-consumer use LL/LDPE, < 20% LLDPE				
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				
Paint Thickness (Painted Coils Only)	micron	17 +/- 2			
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 ² K/W	0.0057			

Fire Classification

Class	Standard
C-s2-d0	EN13501-1

Guarantee:

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

Did you know:

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

Fire Rating: for print projects in public areas and events which require a higher level of fire rating we also have a **Alupanel A-Lite Digital FR** core version of the product- ask your sales rep for more information.

