

Technical Details

Mar 2026

Property	Units	Value			
		2mm	3mm	4mm	6mm
Physical					
Skin Thickness	mm	0.22	0.22	0.22	0.22
Weight	Kg/m ²	2.6	3.6	4.5	6.3
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 ² K/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

a multitude of applications

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