

## Technical Details

Mar 2026

Property	Units	Value			
		2mm	3mm	4mm	6mm
<b>Physical</b>					
Aluminium Thickness	mm	0.22	0.22	0.22	0.22
Weight	Kg/m <sup>2</sup>	2.6	3.6	4.5	6.3
Face Finish	Enhanced Digital Polyester				
Core Composition	Core manufactured from 100% Recycled LDPE				
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 <sup>3</sup>	0.94 (+/- 0.03)			
Width Tolerance	mm	0 - +2			
Length Tolerance	mm	0 - +3			
Diagonal Tolerance	mm	0 - +4			
<b>Mechanical</b>					
Rigidity	kNcm <sup>3</sup> /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 <sup>2</sup>	70'000			
Gloss Level Tolerance	+/- 5%				
Impact Strength	Kg/cm <sup>3</sup>	42			
<b>Thermal</b>					
Temperature Resistance	°C	-20 to +80			
Thermal Expansion	mm/m°C	0.024			
Thermal Resistance	m <sup>2</sup> K/W	0.0057			

### Fire Classification

Class	Standard
C-s2-d0	EN13501-1

#### 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:

**Recycling:** All products from the Alupanel PE core 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 an **NF P95-501 M1** classified core version of the product- ask your sales rep for more information.