

## Technical Details

Mar 2026

Property	Units	Value
<b>Physical</b>		
Physical		3mm
Skin	mm	0.22
Weight	Kg/m <sup>2</sup>	4.1
Face Finish		Enhanced Digital Polyester
Core Composition		LDPE/Calcium Carbonate compound
Panel Thickness Tolerance	mm	+/- 0.2
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>	1.15 (+/- 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	540
Surface Pencil Hardness		> HB
Impact Strength	Kg/cm <sup>3</sup>	42
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%
<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

Standard: NF P 92 501 Class: M1

#### Guarantee:

Alupanel A-Lite Digital M1 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 everyday print projects our standard PE core offers a EN13501 Class C-s2,d0 rate core- ask your sales rep for more information.





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