

Technical Details

Mar 2026

Property	Units	Value	
Surface Properties			
Face Finish		Digital Polyester Paint	
Surface Pencil Hardness		> HB	
Toughness of Coating Flexibility		3T	
Gloss Level Tolerance		+/- 5%	
Physical Properties		2mm	3mm
Skin Thickness	mm	0.12	0.12
Weight	Kg/m ²	2.4	3.3
Panel Thickness Tolerance	mm	+/- 0.2	+/- 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		
Core Composition	100% recycled LDPE		
Core Density	g/cm ³	0.94 (+/- 0.03)	
Width Tolerance	mm	0 - +2	
Length Tolerance	mm	0 - +3	
Diagonal	mm	0 - +4	
Tolerance Mechanical		2mm	3mm
Rigidity	kNcm ² /m	146	343
Peel Strength	N/mm	> 3	
Tensile Strength of Aluminium Layers	MPa	170	
Modulus of Elasticity	N/mm ²	70'000	
Elongation	%	A50 >3	
Thermal			
Temperature Resistance	°C	-20 to +80	
Thermal Expansion	mm/m°C	0.024	
Thermal Resistance	m ² K/W	0.0057	
Acoustic			
Sound Absorption α _s		0.05	
Sound Insulation R _w		24	

Did you know:

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

Warranty:

Alupanel X-Lite has a 1-year limited warranty for external use.

Need an economical panel with more rigidity? The Alupanel X panel is a thicker skinned version of this panel- ask us for more information.



ALUPANELX-LITE

aluminium composite panel

