

Technical Details

Date 07/2025

Property	Units	Value	
Physical		2mm	3mm
Aluminium Thickness	mm	0.15	0.15
Weight	Kg/m ²	2.46	3.39
Face Finish		White Digital Polyester / Primer	
Core Composition		100% Recycled LDPE	
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	
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 ² /m	205	493
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	152	
Modulus of Elasticity	N/mm ²	68'900	
Gloss Level Tolerance		+/- 5%	
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	Class
EN13501	Cs2, d0
*PE finishes, not Brushed or Mirror finishes	

Warranty:

Alupanel X comes with a 1-year guarantee for external use.

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.

Need less weight? The Alupanel X-Lite is a thinner skin version of this panel- ask us for more information.

