

Technical Details

Mar 2026

Property	Units	Value	
Physical		2mm	3mm
Skin	mm	0.15	0.15
Weight	Kg/m²	2.46	3.39
Face Finish	Polyester paint: white, black, primer / Brs. Alu.		
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/cm³	0.94 (+/- 0.03)	
Width Tolerance	mm	0 - +2	
Length Tolerance	mm	0 - +3	
Diagonal Tolerance	mm	0 - +4	
Mechanical			
Rigidity	kNcm²/m	205	493
Surface Pencil Hardness		> HB	
Toughness of Coating		3T	
Peel Strength	N/mm	> 3	
Tensile Strength of Aluminium Layers	MPa	152	
Modulus of Elasticity	N/mm²	68'900	
Gloss Level Tolerance		+/- 5%	
Thermal			
Temperature Resistance	°C	-20 to +80	
Thermal Expansion	mm/m°C	0.024	
Thermal Resistance	m² K/W	0.0057	

Fire Classification*	
Standard	Class
EN13501	Cs2,d0

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.

