

Technical Details

Date 04/2025

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	

Guarantee:

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