

Technical Details

Date 07/2025

Property	Units	Value			
Physical		2mm	3mm	4mm	6mm
Aluminium Thickness	mm	0.2	0.2	0.2	0.2
Weight	Kg/m²	2.6	3.5	4.5	6.3
Face Finish	Polyester Paint				
Core Composition	100% Recycled, washed, filtered post-consumer use LL/LDPE, < 20% LLDPE				
Panel Thickness Tolerance	mm	+/- 0.2			+/- 0.4
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	223	540	995	2410
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	158			
Modulus of Elasticity	N/mm²	70'000			
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 (for white panels only)

C-s2-d0 EN13501-1

*PE finishes, not Brushed or Mirror finishes

Warranty:

Alupanel Lite with PE paint & Silver Aluminum Brushed finishes have a 2-year limited warranty 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

Fire Rating: for projects in public areas and events which require a higher level of fire rating we also have a Alupanel FR core version of the product- ask your sales rep for more information.

