

Technical Details

Mar 2026

Property	Units	Value			
		2mm	3mm	4mm	6mm
Physical					
Skin	mm	0.2	0.2	0.2	0.2
Weight	Kg/m ²	2.6	3.5	4.5	6.3
Face Finish	Polyester Paint: white and colours				
Core Composition	100% Recycled LDPE				
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/cm ³	0.94 (+/- 0.03)			
Width Tolerance	mm	0 - +2			
Length Tolerance	mm	0 - +3			
Diagonal	mm	0 - +4			
Mechanical					
Rigidity	kNcm ² /m	223	540	995	2410
Surface Pencil Hardness	> HB				
Toughness of Coating	3T				
Peel Strength	N/mm	> 3			
Tensile Strength of Aluminium Layers	MPa	158			
Modulus of Elasticity	N/mm ²	70'000			
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	C-s2-d0

*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 M1 core version of the product- ask your sales rep for more information.

