

Technical Details

Sept 2026

Property	Units	Value
Physical		3mm
Skin	mm	0.18
Weight	Kg/m²	3.46
Face Finish	Polyester Paint: Signal White Matt digital	
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	mm	0 - +4
Mechanical		
Rigidity	kNcm²/m	444.58
Surface Pencil Hardness	2H	
Toughness of Coating	3T	
Peel Strength	N/mm	> 3
Tensile Strength of Aluminium Layers	MPa	149
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	Class
EN13501	C-s2-d0
*PE finishes	

Warranty:

Alupanel Impact with a PE paint finish has a 1-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 product- ask your sales rep for more information.

