

## Technical Details

Date 07/2027

Property	Units	Value	
<b>Surface Properties</b>			
Face Finish		Digital Polyester Paint	
Surface Pencil Hardness		> HB	
Paint Thickness	micron	17 +/- 2	
Use of Coating Adhesives		3T	
Gloss Level Tolerance		+/- 5%	
<b>Physical Properties</b>		<b>2mm</b>	<b>3mm</b>
Aluminium Thickness	mm	0.12	0.12
Weight	Kg/m <sup>2</sup>	2.4	3.3
Panel Thickness Tolerance	mm	+/- 0.2	+/- 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 Composition		100% recycled, washed & filtered, post-consumer LL/LDPE, < 20% LLDPE	
Core Density	g/cm <sup>3</sup>	0.94 (+/- 0.03)	
Width Tolerance	mm	0 - +2	
Length Tolerance	mm	0 - +3	
Diagonal Tolerance	mm	0 - +4	
<b>Mechanical</b>		<b>2mm</b>	<b>3mm</b>
Rigidity	kNcm <sup>2</sup> /m	146	343
Peel Strength	N/mm	> 3	
Tensile Strength of Aluminium Layers	MPa	170	
Modulus of Elasticity	N/mm <sup>2</sup>	70'000	
Elongation	%	A50 >3	
<b>Thermal</b>			
Temperature Resistance	°C	-20 to +80	
Thermal Expansion	mm/m°C	0.024	
Thermal Resistance	m <sup>2</sup> K/W	0.0057	
<b>Acoustic</b>			
Sound Absorption $\alpha_s$		0.05	
Sound Insulation $R_w$		24	

### Fire Classification\*

Class	Standard
C-s2,d0	EN13501-1
*PE finishes, not Brushed or Mirror	

### Warranty:

Alupanel X-Lite has a 1-year limited warranty for external use.

### Did you know:

**Recycling:** All products from the Alupanel range can be recycled after use- please ask your sales rep for information about our Closed Loop Recycling Scheme.

**Need an economical panel with more rigidity?** The Alupanel X panel is a thicker skinned version of this panel- ask us for more information.

