



# ALUPANELXT

Architectural Aluminium Composite Material



The Alupanel XT Series is the modern option for creating beautiful, cost effective architectural cladding solutions from aluminium composite panels.

Presenting an unrivalled combination of quality and value, Alupanel XT panels offer an immense range of fixing options, together with a variety of processing and folding possibilities. From standard solid colours, to metallics, granite, marble and stone effects - the entire Alupanel XT Series is available in a large range of colours and finishes.

Also available, Alupanel XTFR and Alupanel XTA2 are fire resistant panels made to the same exacting standards but with different core materials to satisfy the requirements of improved fire classification.



## Why use AlupanelXT?



Highly resistant to weather



Wide range of colours including colour match



Uniform, flat surface



Lightweight yet rigid



Versatile and easily formable



Up to 20 years warranty

## Applications



Interior wall & ceiling decoration



Corporate ID



Curtain Walling



Shop/External Fascias



Rainscreen Wall Cladding



Outdoor advertising



Tunnel Lining





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Property		PE Core	FR Core	A2
Panel thickness		4mm		
Aluminium thickness		0.5mm		
Alloy		3000 - 5000 series alloys available		
Face finish		Coil coated Fluoropolymer (PVDF or FEVE) + HDPE		
Paint thickness - reverse face (ECCA T1-EN 13523-1)		Primer thickness 5 ±2 μ		
Core		PE (B2)	FR (B1)	A2
Weight	kg/mm <sup>2</sup>	5.5	7.44	8.21
Bond integrity	N/mm	12.15	13.05	12.9
Tensile strength	kg/mm <sup>2</sup>	5.3	6.0	7.1
Rigidity	kN m <sup>2</sup> /m	0.354	0.371	0.390
Bending strength	Mpa	106	127	138
Bending elastic modulus	Mpa	9992	1007	1117
Yield strength	kg/mm <sup>2</sup>	3.7	2.6	3.8
Elongation at rupture	(l <sub>0</sub> = 5.65 A <sub>0</sub> <sup>12</sup> - %)	19.3	14.1	12.0
Thermal expansion coefficient	mm/m°C	2.4mm/m at 100°C temperature difference	0.101	0.140
Sound attenuation (R <sub>w</sub> )	dB	24	27	35
Temperature resistance		-50°C to +80°C		
Surface pencil hardness		≥HB		
Resistance to cracking on rapid deformation		No cracking		
Resistance to cracking on bending (EN 13523-7)		1.5 ≤ T		
Resistance to Salt spray (EN 13523-8)		1,000h No difference		
Resistance to immersion in water (EN 13523-9)		1,000h No difference		
Humidity resistance (ASTM-D 2247-68)		1,000h No difference		
Acid resistance (EN 1396)		Class 3		
Accelerated bad weather resistance (EN 13523-10)		Gloss ≤10%		
Chalking (13523-14)		≤10%		

## Flammability

	XT	Class D
EN 13501-1:2007	XTFR	Class B
	XTA2	Class A2

## Sheet sizes and tolerances

Width	Tol	Length	Tol
1000	± 2mm	3200	± 2mm
1220		2440/3050	
1250		3200/4000	
1500		3200/4000	
2000		3200/4000	



## MULTIPANELUK<sup>LTD</sup>

a multitude of applications

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