

 **ALUPANELXT**  
architectural aluminium composite material

 **ALUPANELXTFR**  
architectural acm with a fire resistant core

 **ALUPANELXTA2**  
architectural acm with a non-combustible core



Also available through RCM



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[www.buildingboards.co.uk](http://www.buildingboards.co.uk)



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**USA Office**  
Tel: +1 718 841 9940

**From France**  
Tel: 01 70 72 21 90

**XT Enquiry Line**  
Tel: +44 (0)1392 826960

-  Easy to install
-  Uniform, flat surface
-  Lightweight, yet rigid
-  Versatile and easily formable
-  Highly resistant to weather
-  Highly resistant to damaging atmospheric conditions
-  Large range of colours and finishes
-  We match RAL, NCS, BS and Pantone references
-  Available with low minimum order quantities





## Quality-Guaranteed

We are confident that our high manufacturing standards result in panels that are second to none. Alupanel XT panels are guaranteed according to the selected finish – please contact us for further details.

## Multipanel and the Environment

Multipanel operate in compliance with all applicable environmental legislation and hold all relevant certification for our products.

We are dedicated to the reduction of toxic emissions and strive to work to best environmental practices in everything we do. Alupanel® can be fully recycled.

## Applications

- Architectural Applications
- Rainscreen wall cladding
- External Facades
- Interior Cladding
- Roofing
- Tunnel Lining
- Canopies

## Technical Data

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	(l0 = 5.65 AO <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 (Rw)	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		
EN 13501-1:2007	XT	Class D
	XTFR	Class B
	XTA2	Class A2

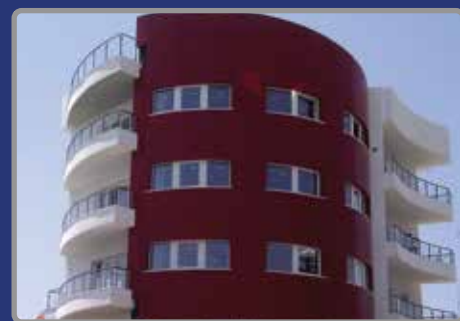
Sheet sizes and tolerances			
Width	Tol	Length	Tol
1000	± 2mm	3200	± 2mm
1220		2440/3050	
1250		3200/4000	
1500		3200/4000	
2000		3200/4000	

## Made in England...

...on our purpose-built high speed production line using the most advanced technology in the industry, Alupanel® is the only aluminium composite panel made in the UK.

Covering an area of more than 10,000 square metres, our multi-million pound facility has annual capacity to produce in excess of five million square metres of Aluminium Composite Panels using the very best raw materials from European suppliers.

UK production not only enhances the already high standards of Alupanel® but it also reduces delivery times and enables us to respond more quickly to customer demands.



## Endless Possibilities

Offering an unrivalled combination of quality and value, Alupanel XT® panels are available in an impressive range of colours and finishes. In addition to our standard range, we have the ability to match almost any colour reference, helping us to provide unlimited design options to create unique, innovative and eye-catching facades.

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



With a part mineral-filled core for class B1 fire classification.



A2 rated, Alupanel XTA2 has a non-combustible core.

## Coil Coatings

Our aluminium coils are coated in a continuous, highly automated process according to ECCA and NEN-EN standards.

The cleaning, pre-treatment and paint application for our coils combine to provide unquestionable qualities in durability and sustainability.



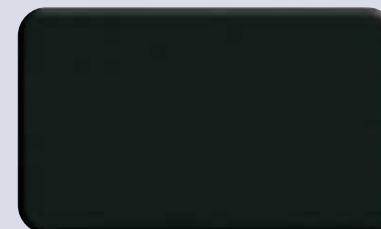
9010 Pure White



9006 Silver



9007 Dark Grey Metallic



7016 Anthracite Grey



7022 Dark Grey



9030 Champagne



1036 Gold



9040 Bronze



1013 Cream



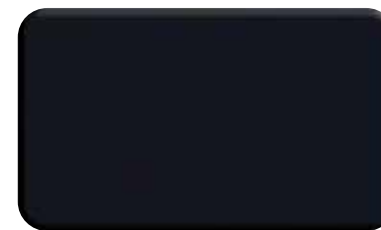
3020 Red



3011 Burgundy



2004 Orange



9005 Black



5002 Ultra Blue



Contact your local sales manager or distributor for more information  
**Call +44 (0)1392 823015**