



ALUPANEL®

aluminium composite panel



**MADE IN
BRITAIN**

Property	Standard	Units	Value			
Physical			2mm	3mm	4mm	6mm
Aluminium thickness		mm	0.3	0.3	0.3	0.3
Weight		kg/m ²	2.9	3.8	4.75	6.6
Face finish		-	Brushed or mirror polished aluminium or PE Paint			
Core composition		-	LDPE			
Thickness Tolerance		mm	+/- 0.2mm			+/- 0.4mm
Aluminium Thickness Tolerance			as specified in EN485-4			
Sheet flatness Tolerance			max. 2mm			
Mechanical						
Rigidity		kNcm ² /m	298	753	1414	3357
Surface Pencil Hardness	> HB		2H			
Paint Thickness (Painted coils only)		micron	20			
Toughness of coating			3T			
Peel strength	180°	N/mm	> 5			
Tensile Strength of Aluminium Layers		MPa	149			
Thermal						
Temperature Resistance		°C	-50 to +80			
Thermal Expansion		mm/m°C	0.024			
Thermal Resistance	R	m ² K/W	0.0057			
Chemical Resistance						
Boiling Water Resistance	2 Hours		No Change			
Hydrochloric Acid Resistance	24 Hours @ 2% HC1		No Change			
Oil Resistance	24 Hours @ 2%engine oil		No Change			
Solvent Resistance	100 xDimethylbenzene		No Change			
Fire classification						
Standard						
M1	NF P 92-501					
D-s2-d0	EN13501-1					
Sheet sizes and tolerances						
Width	Tol	Length	Tol			
1000	-0 +2mm	2050/3050	-0 +3mm			
1220	-0 +2mm	2440/3050	-0 +3mm			
1250	-0 +2mm	2550/3050	-0 +3mm			
1500	-0 +2mm	3050 / 4050	-0 +3mm			
2000	-0 +2mm	3050 / 4050	-0 +3mm			

Guarantee

ALUPANEL with a PE paint finish has a 5 year warranty for internal and external use.

* BRUSHED ALUMINIUM PANELS NOW HAVE A 5 YEAR WARRANTY FOR EXTERNAL USE, all other brushed and mirror finishes are guaranteed for interior use only



MULTIPANELUK^{LTD}

a multitude of applications

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