



ALUPANEL®

aluminium composite panel



**MADE IN
BRITAIN**

Property		Standard	Units	Value				
Physical				2mm	3mm	4mm	6mm	8mm
Aluminium thickness			mm	0.3	0.3	0.3	0.3	0.3
Weight			kg/m²	2.9	3.8	4.75	6.6	8.59
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				0 – ≤2mm across any measured point of the panel perimeter from a flat surface				
Mechanical								
Rigidity			kNcm²/m	298	753	1414	3357	6127
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	m² K/W	0.0057			
Chemical Resistance								
Boiling Water Resistance			2 Hours	No Change				
Hydrochloric Acid Resistance			24 Hours @ 2% HCl	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				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				
Width	Tol	Length	Tol					
1000	-0 +2mm	2050/3050	-0 +3mm					
1220	-0 +2mm	2440/3050	-0 +3mm					
1250	-0 +2mm	2500/3050	-0 +3mm					
1500	-0 +2mm	3050 / 4050	-0 +3mm					
2000	-0 +2mm	3050 / 4050	-0 +3mm					

Guarantee

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