



ALUPANEL®

aluminium composite panel



Property	Standard	Units	Value				
			2mm	3mm	4mm	6mm	8mm
Physical							
Aluminium thickness		mm	0.3	0.3	0.3	0.3	0.3
Weight		kg/m ²	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		kNcm ² /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	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	2500/3050	-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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