



ALUPANEL®

aluminium composite panel



Technical Details



Property		Standard	Units		Value		
Physical			2mm	3mm	4mm	6mm	8mm
Aluminium thickness			mm	0.3	0.3	0.3	0.3
Weight			kg/m²	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 +0.2mm			
Aluminium Thickness Tolerance			as specified in EN485-4				
Mechanical							
Rigidity			kNcm²/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	m² K/W	0.0057		
Chemical Resistance							
Boiling Water Resistance			2 Hburs	No Change			
Hydrochloric Acid Resistance			24 Hburs @ 2% HC1	No Change			
Oil Resistance			24 Hburs @ 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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a multitude of applications

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