



# ALUPANEL LITE<sup>®</sup>

aluminium composite panel



Property	Standard	Units	Value / Thickness			
			2mm	3mm	4mm	6mm
<b>Physical</b>						
Aluminium Thickness		mm	0.20	0.20	0.20	0.20
Weight		kg/m <sup>2</sup>	2.59	3.5	4.37	6.22
Face Finish			Brushed or mirror polished aluminium or PE Paint			
Core Composition		-	LDPE			
Thickness Tolerance		mm	+/- 0.2			
Aluminium Thickness Tolerance		-	As specified in EN485-4			
Sheet flatness Tolerance			max. 2mm			
<b>Mechanical</b>						
Rigidity		kNcm <sup>2</sup> /m	223.24	540.18	994.92	
Surface Pencil Hardness	> HB				2H	
Paint Thickness (Painted coils only)		micron			20	
Toughness of Coating (Painted coils only)					3T	
Peel Strength		N/mm			> 5	
Tensile Strength of Aluminium Layers		MPa			149	
<b>Thermal</b>						
Temperature Resistance		°C			-50 to +80	
Thermal Expansion		mm/m°C			0.024	
Thermal Resistance	R	m <sup>2</sup> K/W			0.0057	
<b>Chemical Resistance</b>						
Boiling Water Resistance	2 Hours				No Change	
Hydrochloric Acid Resistance	24Hr @ 2% HC1				No Change	
Oil Resistance	24Hr @ 2% Engine Oil				No Change	
Solvent Resistance	100 x Dimethylbenzene				No Change	

Flammability	
Standard	Classification
EN13501-1:2007	Class D-s2-d0

Sheet Sizes and Tolerances			
Width	Tol	Length	Tol
1000	-0 +2mm	3050	-0 +3mm
1220	-0 +2mm	2440	-0 +3mm
1250	-0 +2mm	2550	-0 +3mm
1500	-0 +2mm	3050 / 4050	-0 +3mm
2000	-0 +2mm	3050 / 4050	-0 +3mm

### Guarantee

ALUPANEL LITE with a PE paint finish has a 2 year warranty for internal and external use.

\* BRUSHED ALUMINIUM PANELS NOW HAVE A 2 YEAR WARRANTY FOR EXTERNAL USE, all other brushed and mirror finishes are guaranteed for interior use only



a multitude of applications  
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