



# ALUPANEL A-LITE

aluminium composite panel



Property	Standard	Units	Value			
			2mm	3mm	4mm	6mm
<b>Physical</b>						
Aluminium thickness		mm	0.2	0.2	0.2	0.2
Weight		kg/m <sup>2</sup>	2.6	3.5	4.5	6.3
Face Finish		-	Digital PPG, matt/matt or gloss/matt			
Core composition		-	LDPE			
Thickness Tolerance		mm	+/- 0.2mm			
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			
Aluminium Alloy			5005 AlMg1			

<b>Mechanical</b>						
Rigidity		kNcm <sup>2</sup> /m	223	540	995	
Surface Pencil Hardness	> HB				2H	
Paint Thickness (Painted coils only)		micron		20		
Toughness of coating				3T		
Peel strength	180°	N/mm		>4		
Tensile Strength of Aluminium Layers		MPa		160		

<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	24 HOURS @ 2% HC1			No Change		
Oil Resistance	24 HOURS @ 2% engine oil			No Change		
Solvent Resistance	100 xDimethylbenzene			No Change		

<b>Fire classification</b>	
<b>Standard</b>	
D-s2-d0	EN13501

<b>Sheet sizes and tolerances</b>			
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 A-LITE has a 2 year warranty for internal and external use.



**MULTIPANEL UK**<sup>LD</sup>

a multitude of applications

[www.multipaneluk.co.uk](http://www.multipaneluk.co.uk)