



ALUPANEL SMART

aluminium composite panel



Property	Standard	Units	Value			
			2mm	3mm	4mm	6mm
Physical						
Aluminium thickness		mm	0.26	0.26	0.26	0.26
Weight		kg/m ²	2.72	3.62	4.57	6.42
Face finish		-	Brushed or mirror polished aluminium or PE Paint			
Core composition		-	LDPE			
Thickness Tolerance		mm	+/- 0.2mm			
Aluminium Thickness Tolerance			as specified in EN485-4			
Mechanical						
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

D-s2-d0 EN13501-1

Sheet sizes and tolerances

Width	Tol	Length	Tol
1250	-0 +2mm	2500	-0 +3mm
1500	-0 +2mm	3050 / 4050	-0 +3mm
2000	-0 +2mm	3050	-0 +3mm

Guarantee

ALUPANEL SMART with a PE paint finish has a 3 year warranty for internal and external use.

Brushed and mirror finishes are guaranteed for interior use only



MULTIPANELUK^{LTD}

a multitude of applications

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