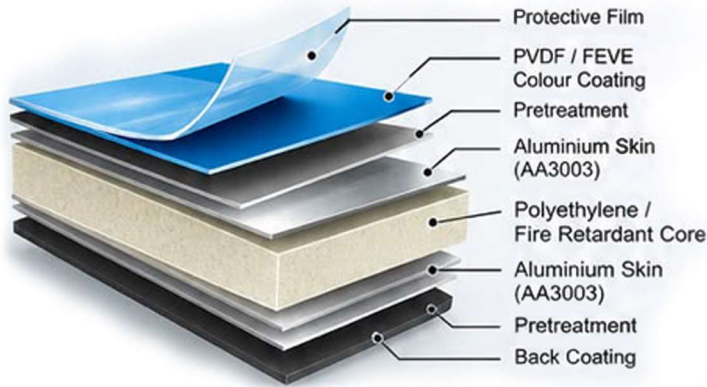




ALUMINIUM COMPOSITE PANEL (ACP) TECHNICAL DATA SHEET



Benefits

10 years warranty on coating
Weather Resistant
Shock Resistant
Fire Retardant
Anti Corrosion
Easily fold, curve and form
Recyclable

Applications

Building Facades
Renovations
Interiors
Signages

30 Years of
Extrusion
Excellence

	ITEM	TEST METHOD	UNIT	ACP
SPECIFICATION	Thickness	-	mm	4
	Aluminium Thickness	-	mm	0.4
	Aluminium Alloy	-	-	AA3003
	Panel Width	-	mm	1250
	Panel Length	-	mm	2440 ~ 4880
	Surface Coating	-	-	PVDF Coating
MECHANICAL	Panel Weight	-	kg/m ²	5.5
	Tensile Strength	ASTM E8	kg/mm ²	4.9
	Rigidity	-	kNcm ² /m	2400
	Bending Stress	-	lb/in ²	11500
	Elongation	ASTM E8	%	14
	Temperature Resistance	ASTM D2246	°C	-50 ~ 80
	Wind Load Pressure Resistance None Deformation or Cracking	ASTM E330-84	kg/m ²	452
	Sound Insulation	ISO 140/3	Rw	26
	Punching Shear Resistance	ASTM D732	N/mm ²	22
	Impact Test	1kg Steel ball with height 50mm	mm (Dent Depth)	2.2
COATING	Gloss	ECCA T2	Gloss Unit	15 - 35
	Colour Retention	-	Delta E	≤ 2
	Salt Spray	ASTM B117	Hrs	3000
	Bending	ASTM D4145	T	≤ 2
	Solvent Resistance	ASTM D5402	MEK rub	≥ 100
	Acid Resistance	ASTM 1308-87	-	Passed
	Alkali Resistance	ASTM 1308-87	-	Passed
	Humidity Resistance	ASTM 714-87	Hrs	3000
	Pencil Hardness	ECCA T4	-	≥ F

*The above data are typical laboratory values and are intended to serve as guides only.

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