

## Aluminum Composite Panel

**PRODUCT:** Aluminum Composite Panel

### FEATURES

- Easily removable protective film
- High strength, rigidity and durability
- Smooth surface with Baked Enamel Wax-Free Finish
- No surface Prep treatment required
- No Edge caps or edge treatment required
- Extruded High Density Polyethylene Core
- Easily Cuts and Routs and can be "V-Grooved"for corners and boxes
- Durable and strong substrate for decoration or directly printing



### APPLICATIONS

Sign making; POP/POS Display; Exterior decoration; Interior decoration; Shop fitting;  
Transport; Industrial design; Substrates

### SPECIFICATION

Properties	Unit	Details
Panel thickness	mm	2, 3, 4, 5, 6
Sizes	m/ft	1.22m*2.44m, 1.55m*3.05m 4'x8', 5'x10'
Thickness of Aluminum Layers	mm	0.30
Weight of layers	kg/sq.m	2.90, 3.80, 4.70, 6.60
Coating	/	PE, PVDF for wood grain
Color	/	80 colors for your choice including white, silver, black and so
Section Modulus Rigiidity (Posson'ratioμ=3 )	cm <sup>3</sup> /m	0.51, 0.81, 1.11, 1.71
	KNcm <sup>3</sup> /m	345, 865, 1620, 3840
Alloy of Aluminum Layers	N/mm <sup>2</sup>	Rm: 145-185 Rp0.2: 110-175 A50>3% 2.0MM/M(100.C temperature difference)
Modulus of Elasticity	N/mm <sup>2</sup>	
Tensile Strength of Aluminium	N/mm <sup>2</sup>	
0.2% Proof Stress Elongation	N/mm <sup>2</sup>	
Liner Thermal Expansion	%	
Thermal Resistance	R (M2k/m)	0.0047, 0.0080, 0.0113, 0.0180
Heat Transition Coefficient	U (W/m2k)	5.72, 5.61, 5.50, 5.30
Range of Application	°C	-50~80
Warranty	/	PVDF 15 years

### INK PRINTABILITY

Solvent	Eco Solvent	UV	Latex
		☐	
Screen Printing	Dye Sublimation Transfer	Dye Sublimation Direct	Water based

NOTE: All above information shall only used as a guide; buyers shall independently test and determine the products suitability. The mentioned data are average of test result and should not be used for the purpose of lawsuit or warranty

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