

## PVDF Aluminium Composite Panel

### Specifications of PVDF aluminum composite panel

ALUWELL®PVDF	Width	1000mm	1220mm	1250mm	1500mm	1575mm	2000mm
4mm / 5mm / 6mm	Length	2000-6000mm	2000-6000mm	2000-6000mm	2000-6000mm	2000-6000mm	2000-6000mm
Solid Colors	<input type="checkbox"/>	■	■	■	■	■	■
Metallic Colors	<input type="checkbox"/>	■	■	■	■	■	-
Sparkling colors	<input type="checkbox"/>	■	■	■	■	■	-
Wood designs	<input type="checkbox"/>	-	■	■	■	-	-
Anodized	<input type="checkbox"/>	-	■	■	-	-	-
Mill finish	<input type="checkbox"/>	■	■	■	■	■	■

### Technical data of PVDF aluminum composite panel

Thickness of coating	PVDF paint $\geq 25$ um	26um to 28um
Coating Flexibility (T-bend)	PVDF paint $\leq 2T$	2T
Coating Adhesion	$\geq 1$ grade for 10*10mm <sup>2</sup> gridding test	1 grade
Pencil Hardness	$\geq$ HB	HB
Resist Solvent	No change for 200 times (MEK)	No change
Chemical Resistance	5%HCL or 5%NAOH-No change for 24hours	No change
Boiling Water Resistance	coating no tear off for 2 hours boiling	no tear off
Color difference	$\Delta E \leq 2.0$ (follow color sample)	0.5
Panel Peeling Strength	7 N/mm for 4mm panel with 0.5mm aluminium. skin	7N/mm
Impact Test for paint	50Kg.cm impact--paint no split for panel	no split
Abrasion Resistance(L/Mil)	ASTM D968	44
Chemical Resistance	ASTM D1308	Appearance: No change
Film Adhesion	ASTM D3359(Note 1)	5B
Detergent Resistance(3%)	ASTM D2248	Appearance: No change
Stripping Strength(kgf/inch)	ASTM D903	18.5
Humidity Resistance (3000hrs,100%RH,100°F)	ASTM D2247	Appearance: No change
Salt Spray Resistance (3000hrs,5% salt)	ASTM B117	Appearance: No change

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