

## Polyester Aluminium Composite Panel

### Specifications of polyester aluminum composite panel

ALUWELL ® PE	Width	1000mm	1220mm	1250mm	1500mm	1575mm	2000mm
2mm / 3mm / 4mm	Length	2000-6000mm	2000-6000mm	2000-6000mm	2000-6000mm	2000-6000mm	2000-6000mm
Solid Colors	<input type="checkbox"/>	■	■	■	■	■	■
Metallic Colors	<input type="checkbox"/>	■	■	■	■	■	-
Mill finish	<input type="checkbox"/>	■	■	■	■	■	-

### Technical data of polyester aluminium composite panel

<input type="checkbox"/>	2mm	3mm	4mm
Panel weight(kg/m <sup>2</sup> )	2.9	3.8	4.8
Aluminium sheet thickness(mm)	0.3	0.3	0.3
Panel thickness tolerance(mm)	+/-0.2		
Panel width tolerance(mm)	+/-2		
Panel length tolerance(mm)	+/-3		
Panel diagonal tolerance(mm)	+/-5		
Aluminium sheet thickness tolerance(mm)	+/-0.02		
Paint thickness(Micron)	21-23		
Paint pencil hardness	> HB		
Paint toughness	3T		
Impact strength (kg.cm)	50		
Temperature resistance	-50°C to + 90°C		
Peel strength(180°)	> 5 Newton/mm		
Boiling water resistance	2 hours without change		
Acid resistance	Immersed surface in 2% HCl for 24 hours, without change		
Alkali resistance	Immersed surface in 2% Ca(OH) <sub>2</sub> for 24 hours, without change		
Solvent resistance	100 times with Dimethylbenzene without change		
Cleaning resistance	Over 100 times without change		
Expansion coefficient(100°K temperature difference)	2.4 mm/m		

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