

## Aluminum Composite Panel/Material

### DATA SHEET



Panel Thickness	Standard	Unit	3mm	3mm	6mm
Thickness of Aluminium	DIN 1784	inch	0.006(0.15mm)	0.008(0.2mm)	0.008(0.2mm)
Aluminium thickness deviation	DIN 1784	mm	±0.02	±0.02	-0.02 to 0.05
Weight		Kg/m <sup>2</sup>	3,89	3,99	7,18
Tolerance in length	DIN 16927 / ISO 11833-1	mm	-2/+5	-2/+5	-2/+5
Tolerance in width	DIN 16927 / ISO 11833-1	mm	-2/+2	-2/+2	-2/+2
Tolerance in thickness	DIN 16927 / ISO 11833-1	mm	± 0.2	± 0.2	± 0.2
Horizontal flatness	DIN ISO 1101	mm/m	5	4	3
Longitudinal roughness	DIN ISO 1101	mm/m	5	5	5
<b>Technical Properties</b>					
Alloy	EN 573-3	ENAW	1100		
Temper of Cover Sheets	EN 515		H16/H18		
Modulus of Elasticity	EN 1999 1-1	N/mm <sup>2</sup>	70000		
Linear Thermal Expansion	EN 1999 1-1	mm/m/oC	2.4 at 100°C Temp difference		
impact resistance	GB/T 22412-2008	kg•cm	20kg•cm no depainting, no crack		
boiling water resistance	GB/T 22412-2008	N/M	no change		
<b>Core</b>					
Polyethylene, Typ LD-PE		g/cm <sup>3</sup>	1,15		
<b>Surface/ Coil Coating</b>					
Lacquering			PE		
Thickness of coating		µm	≥16		
Gloss (initial value)	ECCA T2	%	20-100		
Pencil Hardness	ECCA T4		2H		
flexibility	GB/T 22412-2008	T	2T		