

ALLUMINIO COMPOSITO ADVI BOND

PANEL DIMENSIONS

Panel Thickness	2mm	3mm	4mm
Standard Width	1220/1250/1500/ 2000	1220/1250/1500/ 2000	1220/1250/1500/ 2000

DIMENSION TOLERANCES

Length	ASTMD5625-02	±3mm
Width		±2mm
Thickness		±0.2mm
Diagonal		≤3mm
Edge nonstraightness		≤1mm/m
warpage		≤5mm/m

SURFACE PROPERTIES(POLYESTER)

Testing item	Test method	Standard index
Coating thickness	1 coating	≥16 um
Gloss tolerance	ASTM D532(60°)	≤10
Pencil hardness	ASTM D3363-00	≥H
T-Bending	ASTM 4145	2T no rift
Adhesive (boiling water)	98±2°C,2hours	No pick off
Impact resistance	ASTM D2794(30kg.cm)	No cracking
Chemical resistance		
1) muriatic acid 2% HCL 24 hrs	ASTM D308	No change
2)Sodium hydroxide 2% Naoh 24 hrs	ASTM D308	No change
Solvent resistance	ASTM D2248(200 times)	No change

PRODUCT PROPERTIES

Testing items	Testing Method	Testing Result
Weight		3mm x Alu 0.2~0.3mm about 3.9~4.2(kg/m ²) 4mm x Alu 0.2~0.4mm about 5.0~5.5(kg/m ²)
Outdoor temperature resistance	ASTM D1654	-40°C~60°C
Thermal deformation temperature	ASTM D648	More than 85°C
Thermal conductivity	ASTM 976	≤0.5W/m.k
Adhesive strength	ASTM D903	4.0 N/mm
Sound attenuation	ASTM E413	(Panel thickness 4mm)25
Punching Shear resistance	ASTM D732	32 N/ m m ²
Minimum bending radius	ASTM D790	200mm