

ACP (POLYESTER COATED) TECHNICAL DATA SHEET

Panel Dimensions

Composite Thickness(mm)	3mm
Aluminium Thickness(mm)	0.28mm
Composite weight (kg/m ²)	4.43kg
Application	Sign&Interior wall decoration

Dimensional Tolerances

Thickness(mm)	±0.2mm
Width(mm)	±2mm
Length(mm)	±3mm
Diagonal(mm)	≥5mm
Thermal Expansion	1.14 mm/m at 100 deg C Temp Difference
Aluminium Thickness(mm)	±0.02

Surface Properties

Paint Thickness(micron)	≥16
Pencil Hardness	≥HB
Toughness of coating	≤3T
Impact strength(kg.cm)	≥20
Boiling Resistance	Boiling for 2 hours without change
Acid Resistance	Immerse Surface in 2% HCL for 48 hours without change
Alkali Resistance	Immerse Surface in 2% NaOH for 48 hours without change
Oil Resistance	Immerse Surface in 20# engine oil for 48 hours without change
Solvent Resistance	Cleaned 100 times with Dimethylbenzene without change
Cleaning Resistance	Over 1000 times without change
Peel Strength 180 deg.	>5 Newton/mm
Grade of salt spray resistance	no less than first grade
Coating adhesion	First Grade
Peel strength (N/mm)	Average value ≥4.0, Minimum ≥3.0

All technical specifications are given according to GB/T standard in CNRC

