



Physical properties for ACP with PVDF coating

Panel Dimensions

Panel Thickness (mm)	4mm
Aluminum Thickness (mm)	0.5mm
Standard Width	1220mm, 1500mm, 1550mm
Weight (Kg/M2)	5.5
Aluminum Alloy	AA3003 H16, AA1100 H18

Dimensional Tolerance

Thickness (mm)	-0+0.1
Width (mm)	± 1 (+1, -1)
Length (mm)	± 2 (+2, -2)
Diagonal (mm)	± 3 (+3, -3)
Thermal Expansion	2.4mm/m 100°C Temp Difference
Aluminum Thickness (mm)	± 0.02 (+0.02, -0.02)

Surface Properties

Peel Strength	0.975 Kg/mm
Through resistance	9.94 KN
Grinding resistance	8.5 L/um
Coefficient of Linear Thermal Expansion	247.3 um/m°C
Abrasion resistance	106.85 L/mll
Flexural Modulus	332 Mpa
Adhesion Strength	0.8 kgf/mm



Gloss	85%
Paint Thickness (micron)	29um
Pencil Hardness	3H
Toughness of Coating	2T
Impact Strength (kg.cm)	50
Boiling Water Resistance	Boiling for 2h without change
Acid Resistance	Innerse sureface with 5%Hcl (v/v) for 48h without change
Alkali Resistance	Innerse sureface with 5%NaOH (mpm) for 48h without change
Oil Resistance	Innerse sureface with 20# engine oil for 48h without change
Solvent Resistance	Clean 100 times with butanone without change
Cleaning Resistance	≥ 1000 times without change