

Specification Table

of Aluminium Composite Sheet

TEST DESCRIPTION		TEST RESULT - PRODUCT QUALITY
Standard Dimensions	Width	1220 / 1250 / 1500 / 2000
	Length	2440 / 2500 / 3050 / 4050
	Thickness	3
Dimension Deviation		Tolerance of Width: < + 2mm
		Tolerance of Length: < + 3mm
		Tolerance of Thickness: < + 0.2mm
		Diagonal Deviation: < 3mm
		Out of straight at sides: < 1mm/m
	Warp: < 3mm/m	
Appearance		Clean surface without swelling flaws, scratches and aberrations
Luster Deviation		Face: 0.5/50.0
		Back: 0.5/50.0
Coating Thickness		Face: > 18.0um
		Back: > 18.0um
Weight (kg/m ²)		4,41
Pencil Hardness		> HB
Coating Toughness		Inner Panel < 1,5T
Adhesive		No less than grade 1
Impact Strength		50kg/cm Without peeling & cracking of paint
Resistance to solvent		Unchanged after cleaning 100 times with dimethylbenzene
180° Peel Strength (n/mm)		> 8.0
Modulus of Elasticity (n/mm ²)		> 68,000
Rigidity E x J (kNcm ² /m)		> 780
Temperature Resistance		unchanged after -40°C to +80°C 20 cycles
Coefficient of Heat Expantion		< 3.00x10 ⁻⁵ °C ⁻¹
Deformation Temperature		> 110°C
Linear Thermal Expansion		< 3.0mm/m at 100° expansion temperature difference
Heat Transition Coefficient		5.6 - 5.8 Wm ² k
0.2% Proof Stress		Rp0.2: 110-175 N/mm ²
Sound Absorbtion Factor		0.04 - 0.05 Alphas
Airbourne Sound Insulation Index rw		23 - 25 dB
Water Absorbtion		< 0.01%