

COLOR: PURE WHITE

TEST DESCRIPTION	TEST RESULT - PRODUCT QUALITY		
DIMENSION DEVIATION	Length Difference: ± 1 mm		
	Width Difference: ± 1 mm		
	Thickness Difference: ± 0.1 mm		
	Diagonal Deviation : ≤ 0.5 mm		
	Out of straight at sides: ≤ 0.5 mm/m		
	Warp : ≤ 1 mm/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: $\geq 25.0\mu\text{m}$		
	Back: $\geq 25.0\mu\text{m}$		
SURFACE DENSITY (KGS/M ²)	2 mm panel	Aluminum thickness: 0.15mm	2.38
		Aluminum thickness: 0.20mm	2.58
	3 mm panel	Aluminum thickness: 0.15mm	3.3
		Aluminum thickness: 0.20mm	3.5
		Aluminum thickness: 0.30mm	3.85
	4 mm panel	Aluminum thickness: 0.15mm	4.25
		Aluminum thickness: 0.20mm	4.4
		Aluminum thickness: 0.30mm	4.95
	PENCIL HARDNESS	$\geq 2H$	
COATING TOUGHNESS	Inner Panel $\leq 1.5T$		
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)	2 mm panel	Aluminum thickness: 0.15mm	≥ 6.0
		Aluminum thickness: 0.20mm	≥ 7.0
	3 mm panel	Aluminum thickness: 0.15mm	≥ 6.0
		Aluminum thickness: 0.20mm	≥ 7.0
		Aluminum thickness: 0.30mm	≥ 8.0
	4 mm panel	Aluminum thickness: 0.15mm	≥ 6.0
		Aluminum thickness: 0.20mm	≥ 7.0
		Aluminum thickness: 0.30mm	≥ 8.0
TEMPERATURE RESISTANCE	unchanged after -40°C to -80°C 20 cycles		
COEFFICIENT OF HEAT EXPANSION	≤ 3.00x10 ⁻⁵ °C ⁻¹		
DEFORMATION TEMPERATURE	≥ 110°C		
MODULUS OF ELASTICITY	2 mm panel	Aluminum thickness: 0.15mm	≥ 1.5x10 ⁴ MPa
		Aluminum thickness: 0.20mm	≥ 1.6x10 ⁴ MPa
	3 mm panel	Aluminum thickness: 0.15mm	≥ 1.6x10 ⁴ MPa
		Aluminum thickness: 0.20mm	≥ 2.0x10 ⁴ MPa
		Aluminum thickness: 0.30mm	≥ 2.5x10 ⁴ MPa
	4 mm panel	Aluminum thickness: 0.15mm	≥ 1.8x10 ⁴ MPa
		Aluminum thickness: 0.20mm	≥ 2.2x10 ⁴ MPa
		Aluminum thickness: 0.30mm	≥ 2.8x10 ⁴ MPa
THROUGH RESISTANCE (RIGIDITY)	2 mm panel	Aluminum thickness: 0.15mm	≥ 5.0KN
		Aluminum thickness: 0.20mm	≥ 6.0KN
	3 mm panel	Aluminum thickness: 0.15mm	≥ 5.5KN
		Aluminum thickness: 0.20mm	≥ 6.5KN
		Aluminum thickness: 0.30mm	≥ 7.6KN
	4 mm panel	Aluminum thickness: 0.15mm	≥ 6.2KN
		Aluminum thickness: 0.20mm	≥ 6.9KN
		Aluminum thickness: 0.30mm	≥ 8.2KN

SURFACE FINISHING	
Colour Base	Pigment (made in Japan)
Standard Colours (RAL International Standard Colour Code)	<p>Standard colours: Pure White, Ivory White, Yellow White, Apricot White, Youth White, Rose Wood, Yellow, Light Brown, Rat Grey, Jade Green, Sea Blue, Signal Red, Natural Green, Dark Blue</p> <p>Metallic Colours: Silver Grey, Bright Silver, Champagne Silver, White Silver Grey, Metallic Gold, Metallic Brass, Black Pearl</p> <p>2 colour combination to customer specification</p>
Lacquering	2 layers of structural resistant baked lacquer providing optimum rigidity and durability
Outdoor Durability	15 - 20years
Surface Finish Options	<p>Matte - during the lacquering process</p> <p>High-Gloss - additional optional polishing step</p>