

Certificate of Analysis



rightBOND™ eco Technical specifications Aluminium Composite Panels, 3mm, PE Coated

Property	Values
Appearance	Clean surface without swell, flaws, scratch and aberration
Deviation of dimension	Length : ± 3 mm Deviation of diagonal : ≤ 5 mm Width : ± 2 mm Out of straight at sides : ≤ 1 mm/m Thickness : ± 0.2 mm Warpage : ≤ 5 mm/m
Thickness of coating	≥ 16 um
Deviation of coating	≤ 10
Pencil Hardness	\geq HB
Toughness of Coating	≤ 3 T
Coating Adhesive	Not less than Class 1
Impact Strength	50 Kg.cm Without Paint Off and Crack
Boiling water resistance	Boiling for 2h without change
Acid resistance	Immerse surface with 2% HCL [v/v] for 48h without change
Alkali resistance	Immerse surface with 2% NaOH [m/m] for 24h without change
Oil resistance	Immerse surface with 20# engine oil for 24h without change
Solvent resistance	Clean 100 times with Dimethylbenzene without change
Cleaning resistance	≥ 10000 times without change
Abrasion resistance Density of Surface	Specified value: ± 0.5 kg/m ²
Bending Strength	≥ 60 MPa
Flexuous modulus of elasticity	$\geq 1.5 \times 10^4$ MPa
Through resistance	≥ 5.0 kN
Cutting Strength	≥ 20 MPa
180 Peel Strength	≥ 5.0 N/mm
Resistance to change to temperature	- 40°C~80°C, 20 cycles without change
Heat deformation temperature	≥ 95 °C
Coefficient of heat expansion	$\leq 4.00 \times 10^{-5}$ °C ⁻¹
Weight	3.8kg/m ²
Sound aberration	24Rw dB
Thermal Performance R Value	0.0080 m ² K / W
Water Absorption	0.1% by volume