

TECHNICAL DATA SHEET

	standards	units		
Panel Nominal Thickness		mm In	4 0.157	6 0.236
Min Bond Strength	ASTM D1781	Nm/m In-lb/in	102 22.9	102 22.9
1. PANEL DIMENSIONS				
1.1 Aluminium layer thickness		mm in	0.5 0.01968	
1.2 Etalbond nominal Weight		Kg/m ² lb/ft ²	7.4 1.5	10.5 2.15
1.3 Max. Standard width		mm in	1250, 1500 49.212, 59.055	
1.4 Standard length		mm in	3200 125.984	
2. PANEL TOLERANCES				
2.1 Panel thickness		mm in	±0.2 0.0079	
2.2 Panel width		mm in	-0.00 / +4.00 -0.00 / +0.157	
2.3 Panel length		mm in	≤ 4000 mm: -0.0 / +4 4001-6000 mm: -0.0 / +6 6001- 8000 mm: -0.0 / +10 ≤ 157.48 in: -0.0 / +0.157 157.52-236.22 in: -0.0 / +0.236 236.26- 314.96 in: -0.0 / +0.394	
2.4 Diagonal difference		mm in	3.00 mm 0.118	
3. TECHNICAL PROPERTIES				
3.1 Moment of Inertia		mm ⁴ /m in ³ /in	3083 0.308	7583 0.758
3.2 Section modulus		cm ³ /m in ³ /in	1.54 2.39 x10 ⁻³	2.53 3.92 x10 ⁻³
3.3 Tensile strength (Rm)	ASTM E8 /E8M-09	MPa lb/in ²	151	
3.4 Yield strength (Rp0.2)	ASTM E8/E8M-09	MPa	130	
3.5 Elongation (A ₅₀)	ASTM E8/E8M-09	%	3.9%	
3.6 Linear Thermal Expansion		mm/mm/ °C in/in/° F	2.36 x 10 ⁻⁵ 1.31 x 10 ⁻⁵	
4. SURFACE PREPARATION and PAINT CHARACTERISTICS				
4.1 Surface Preparation		With chemical preparation (Degreasing, Passivation)		
4.2 Lacquering		Coil Coating		
4.3 Visible Surface		● PVDF-3 / FEVE-3: 38 µm (Depending on Colour shade), Tolerances according to EN 1396. Comply with AAMA 2605. ● PVDF-2 / FEVE-2: Target 30 µm (Depending on Colour shade), Tolerances according to EN 1396. Comply with AAMA 2605.		
4.4 Back Surface		Protective Primer		
5. TEMPERATURE BEHAVIOUR				
5.1 Excellent behaviour in temperatures		From -20 °C to +80 °C		
6. SURFACE QUALITY				
6.1 Dents, marks, hits, grooves, stains etc.		Acceptable when not visible at a distance ≥2 m at an angle of 90°		
7. FIRE CLASSIFICATION				
Flame Spread Index	ASTM E84	5		5
Smoke Developed Index		15		10
Flash Ignition Temperature		878 ° F		-
Self Ignition Temperature	ASTM D1929	878 ° F		-
Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components (Intermediate Scale Multi-story test)	NFPA 285	4 Hours rated*		NA
(*) The test Is not relevant for metallic cladding materials				