

TECHNICAL DATA SHEET

Properties	Units	Values
Alloy		5052
Temper		H32
Standard Thickness	mm	3
Painted Weight	kg/m ²	8.31
Paint Thickness	micron (nom)	30
Raw Density	kg/m ³	2680
Indicative Minimum Radius	mm	4.5
Tensile Strength	MPa	215-265
0.2% Proof Stress	MPa	>160
Elongation	%	7
Linear Thermal Expansion		2.4mm/m at 100°C temperature difference
Melting Range	°C	607-650
Modulus of Elasticity - Tension	GPa	69.3 @ 20°C
Modulus of Elasticity - Torsion	GPa	25.9 @ 20°C
Modulus of Elasticity - Compression	GPa	70.7 @ 20°C
Thermal Conductivity	W/m.K	138 @ 25°C
Electrical Resistivity	micro-ohm.m	70.7 @ 20°C
Electrical Conductivity - Equal Volume	MS/m	20 @ 20°C
Electrical Conductivity - Equal Weight	MS/m	67 @ 20°C
Sound Absorption Factor	NCR	0.05
Sound Reflection	%	95

Note: The ProClad PVDF coating is produced in accordance with the American Architectural Manufacturers Association Standard AAMA 2605-11 that includes Specification, Performance Requirements and Test Procedures.

FIRE PERFORMANCE

ProClad™ solid aluminium panels are non-combustible when tested to AS1530.1.

Test Standard	Result		
AS1530.1	Non-Combustible		
AS1530.3	Pass	Ignitability index	0
	Pass	Heat evolved	0
	Pass	Spread of flame	0
	Pass	Smoke developed	1