

ALUCOLUX[®]

PRE-COATED SOLID ALUMINIUM PANELS

Aesthetic, durable and non-combustible.

PRODUCT INFORMATION



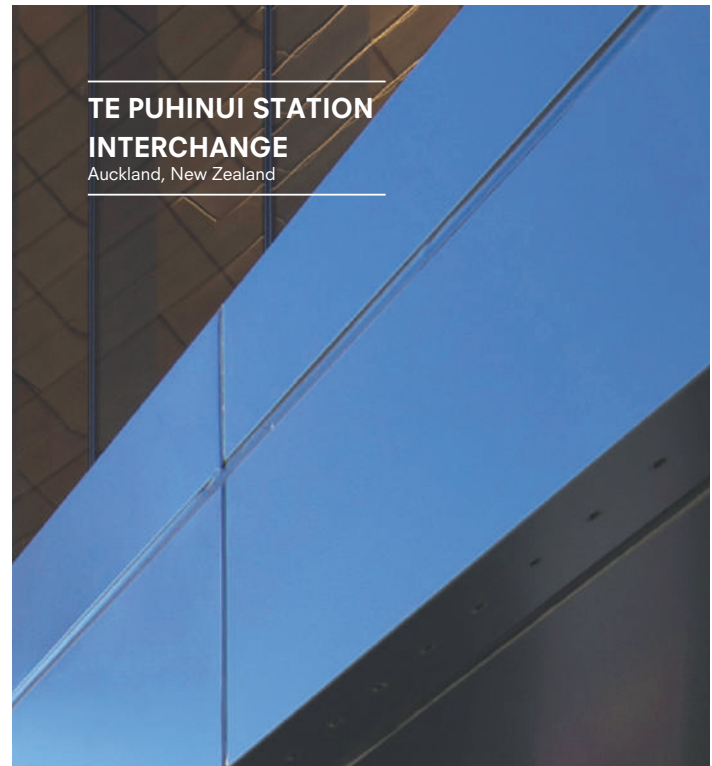
ABOUT US

As a global leader in composite materials, with its head office in Switzerland, affiliated with Schweiter Technologies Group, 3A Composites employs more than 4400 people in Europe, America and Asia. Presently, 3A Composites is a house of 20+ leading brands in their respective material and application categories. Among them, the flagship product lines used in architectural applications are:

ALUCOLUX® Solid Aluminium Sheets (cladding & curtain walls, interior walls, ceilings, soffits & column decoration)

ALUCOBOND® Aluminium Composite Material (cladding & curtain walls, interior walls, ceilings & column decoration)

ALUCORE® Aluminium Honeycomb Panels (cladding & curtain walls, roofing & ceilings)



THE PRODUCT

ALUCOLUX® is a coil coated solid aluminum panel used in architectural applications.

ALUCOLUX® features multi-coat, multi-bake process on a continuous coil coating line using the highest grade of fluoropolymer PVDF/FEVE paint system. This process not only ensures colour consistency and long-term durability but also renders it non-combustible.

Unique patterns resembling the look & feel of a real wood and stone are also possible with ALUCOLUX®.



Product Range:

- Thickness: 3 mm
- Width: 1250 mm, 1575 mm
- Standard Length: 2500 mm, 3200 mm, 4000 mm (</=6000 mm)

REASONS TO CHOOSE ALUCOLUX®



Color consistency

High quality fluoropolymer PVDF/FEVE coating on a continuous industrial grade coil-coating line conforming to AAMA 2605 and ECCA guidelines.



Perfect flatness

The alloy and temper used in the manufacturing of ALUCOLUX® is specifically chosen to ensure that the finished product has perfect flatness.



Non-combustible

A non-combustible panel which complies to the Building Code of Australia (BCA) and passes AS 1530.1 & BS 8414-1. ALUCOLUX® is classified as A1-s0, d0 as per EN 13501-1 test standard.



Formability

ALUCOLUX® is a solid and rigid aluminum panel, yet highly formable.



Range of colours

ALUCOLUX® comes in a vast range of colors and surface finishes, giving you a large variety to choose from.



Warranty

ALUCOLUX® comes with a 15-year manufacturer warranty.

TECHNICAL DATA

TECHNICAL PROPERTIES	STANDARDS	COIL-COATED
Alloy	EN 573-3	3003
Temper	EN 515	H24
Standard Thickness*	EN 485-4	3mm
Standard Widths**	EN 485-4	1000 mm, 1250 mm, 1500 mm, 1575 mm
Standard Length	EN 485-4	<= 6000mm
Panel Weight		8.1 Kg/m ²
Tensile Strength	EN 485-2	145-185Mpa
Modulus of Elasticity	EN 485-5	70,000 N/mm ²
Yield Strength Rp0.2	EN 485-2	>=115Mpa
Elongation	EN 485-2	A ₅₀ >=6%
Linear Expansion	EN 1999 1-1	2.4mm/m at 100°C temperature difference
Surface		Fluoropolymer PVDF/FEVE
Gloss	EN 13523-2	25~40%
Coating Thickness ***		28~45 microns
Fire Classification	EN 13501-1 AS 1530.1 AS 3837 AS 1530.3	A1-s0, d0 Group 1 as per AS 5637.1 PASSED 0 (ignitability) 0 (flame spread) 0 (heat evolved) 2 (smoke development) PASSED

* Other thicknesses available on request.

** Custom widths available on request.

*** Coating thicknesses varies for different surface finishes.

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