

PaneLux® 3mm Solid Aluminium Sheet

Product Spec Sheet



PANELUX

SOLID ALUMINIUM PANEL

PRODUCT NAME

PaneLux®

REPRESENTATIVE OFFICE

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PRODUCT DESCRIPTION

PaneLux® is a 3mm Duranar PPG Fluoropolymer Pre-Painted Aluminium Solid Panel manufactured by high quality Roll Coating (roll-to-roll continuous) method which ensures a high quality surface.

APPLICATIONS

- Exterior façade and interior linings for new buildings and re-modelling
- Re-cladding
- Commercial building, high-rise apartment, factory, shopping centres, car parks
- Office and interior partition
- Signage

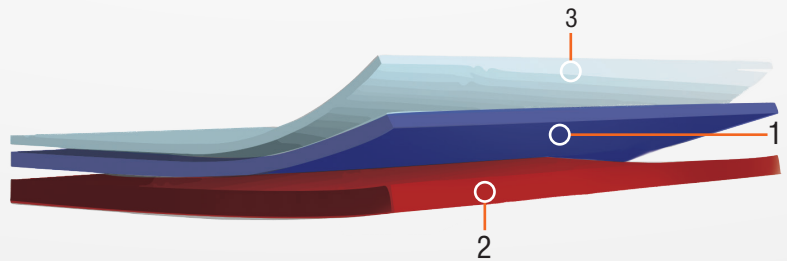
COMPOSITION MATERIALS AND WEIGHT

Aluminium Sheet (Alloy): 3003 - H24

Total Thickness: 3mm

Weight: 8.1kg/m²

1. Duranar PPG Fluoropolymer Coating
2. 3mm Aluminium Sheet
3. Protective Film



SIZES

Width: 1550mm

Length: 3200mm, 4000mm

COLOURS & FINISHES

PaneLux® Solid Panels are prefinished with DURANAR coatings, combined with PPG Proprietary resin and pigment technologies with 70% fluoropolymer based resins. It is available in a selection of colours and finishes. Custom colours are also available, subject to MOQ.

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BENEFITS

- Durable & lightweight
- Non-permeable
- Excellent fire resistance
- Excellent physical properties and processability
- Available in a wide range of colours and finishes
- Easily formed for a range of fabrication and cladding projects

FIRE RESISTANCE

PaneLux® is composed of 100% aluminium, rather than combustible polyethylene and fire rated mineral like typical aluminium composite materials (ACM). Satisfies Type A and B of the NZBC C/AS2 Appendix C C7.1 for Fire Performance (BRANZ Test available on request).

TECHNICAL PROPERTIES

Property	Unit	Result
Yield Strength	Mpa	122
Tensile Strength	Mpa	146
Elongation	%	26

TOLERANCE

Width	+/- 2mm
Length	+/- 6mm
Thickness	+/- 0.15mm

INSTALLATION & PRECAUTIONS

Colour variation may occur between panels due to varying coil batches. All PaneLux® sheet for the same project must originate from the same batch. It is imperative to install the panels in the same direction marked on the protective film. Protective film must be removed within 45 days of installation to avoid fusion to the panel.

PaneLux® is manufactured in an environmentally friendly facility that is certified ISO 14001:2000.