

AI PANEL

ALUMINIUM INNOVATION

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INTRODUCTION

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A L U M I N I U M I N N O V A T I O N

INTRODUCTION

With the adoption of the National Construction Code 2019 (NCC 2019), it is imperative for designers, specifiers and other industry stakeholders to ensure their materials are compliant. The demand for recladding is increasing to remedy existing buildings with non-compliant cladding. While this opens up opportunities for the industry, it also means greater care is required to avoid safety and compliance risks. Stricter requirements on aluminium composite panels (ACPs) with combustible cores has forced designers and specifiers to look at other cladding solutions that provide a more efficient path to compliance.

COLOUR COATED SOLID ALUMINIUM SHEETS: A COMPLIANT CLADDING & SIGNAGE SOLUTION

Colour Coated Solid Aluminium Sheets (Ai Panel), which unlike ACPs are comprised of solid aluminium with no additional layers or core, provide designers and specifiers with an efficient means of complying with the fire performance requirements in the NCC 2019.

Solid aluminium sheet panels do not include adhesives to fix multiple layers together, so there is no risk of such adhesives melting during a fire event. This quality enables these panels to be used safely at greater heights and in a wider variety of cladding and signage applications.

Designers and specifiers also benefit from aluminium's inherent material properties, particularly its non-combustibility and high resistance to fire. Solid aluminium has a high melting point of 660°C. It also has high thermal conductivity, meaning it is less prone to "hot spots" where localised property loss can occur. Importantly, aluminium also meets the regulatory definition of "non-combustibility" in accordance with the Australian Building Code.



FEATURES & BENEFITS

- 100% Non-Combustible (tested to AS1530.1 and AS1530.3)
- 100% Recyclable
- High quality 5052 marine grade aluminium
- Favourable weight and price comparison with ACP panels
- High in strength
- Suitable for a wide range of internal and external applications
- Easy to transport and install
- Can be easily processed to meet specific requirements without losing performance
- Highly durable and highly resistant to corrosion
- Exceptionally long service life
- 1.6mm thickness with FEVE Gloss finish
- 2mm thickness with PVDF Matte finish
- 10-year colour warranty on single coated FEVE Gloss
- 20-year colour warranty on double coated PVDF Matte
- Suitable for fabrication with no cracking or crazing

All panels come with clear protective masking film and can be folded and routed with no cracking or crazing on the folded edges. They are suitable for signage, internal shop fitting and low-level cladding applications. With the prominence of the issue of fire safety in the signage, architectural and building industries, Solid Aluminium Sheets are an exciting solution to commercial and residential projects both indoor and outdoor going forward. Colour Coated Solid Aluminium Sheets are available in an extensive range of more than 70 colours.



SHEET SIZES

1.6mm

2400 x 1200mm - All Colours

3600 x 1200mm - Limited Colours

3000 x 1500mm - Limited Colours

2mm

2400 x 1200mm - All Colours

3600 x 1200mm - Limited Colours

3000 x 1500mm - Limited Colours

4000 x 1500mm - Limited Colours

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