



## Typical Alucobond PLUS Specification

Alucobond PLUS Aluminium Composite Material (ACM) shall be 3mm/4mm/6mm thick and consist of 2 layers of 0.5mm thick aluminium sandwiching a mineral filled fire resistant core containing 70% non combustible mineral filling. The aluminium skins shall be of alloy AlMg 1- NS41 (EN AW 5005A nearest equivalent) having an ultimate strength of 130 MPa and 0.2% proof stress of 90 MPa. Aluminium skins of reduced corrosion resistance produced from 3000 series or 1100 series alloys are not acceptable.

Core materials containing re used core material, which could contain other impurities proven to be detrimental to the integrity and long term performance of laminated materials shall not be used.

The face sheet of aluminium shall be finished in a factory applied fluoropolymer (PVDF or FEVE) high performance coil coating in accordance with EN13523, ECCA Quality Label and Voluntary Specification AAMA 2605-11

Note: Spray applied coatings are not acceptable.

Rear face aluminium sheet to be left in chemically cleaned mill finish condition unless noted otherwise.

Front face sheet, shall be factory pre finished in colour or finish selected from the manufacturers:

- Standard Alucobond Colour Range
- Spectra Colour Range
- NaturAL Range
- Anodized Look Colour Range
- Wood Design Finishes
- Design Décor Range

Non standard colours or finishes to customers selection will be subject to minimum order quantities.

Applied coatings shall be protected by UV stabilized strippable PE foil, and should be removed within 3 months of installation on external façade.

**Alucobond PLUS shall be CodeMark Certified for use as external cladding on buildings of type A, B and C construction and shall have been tested to the following Australian & International Fire Standards.**

Test	Description	Result
AS 1530.3	Simultaneous determination of Ignitibility, Flame Propagation, Heat Release and Smoke Release"	Ignitability Index 0 Flame Propagation 0 Heat Release 0 Smoke Release 0-1
ISO 9705	Full scale Room Test For Surface Products	Group 1 Material according to BCA Specification C1.10.4 (b) (i) SMOGRA 1.385 m <sup>2</sup> /s <sup>2</sup>
EN1305.1	Classification Of Reaction To Fire Performance	B – s1,d0
DIN 4102.1	Fire Behaviour Of Building Materials & Elements	B1
UBC 26-9	NFPA 285 Intermediate Scale Multi Storey Flammability Test	Passed

Alucobond PLUS panels, prior to fabrication shall be stored horizontally on a dry, flat, level surface and protected from damage.

Fabrication techniques as recommended by 3A Composites and Alucobond Architectural shall be strictly adhered to. These include cutting, grooving, folding, bending, rolling and edge treatment. Information relating to these processes and other requirements can be obtained from Alucobond Architectural.

Alucobond PLUS to be supplied with a single 10 year warranty covering manufacturing defects, delamination, panel & paint performance and shall be supplied by the panel manufacturer, 3A Composites GmbH.

Separate warranties for panel and paint performance or warranties supplied by local distributors or 3<sup>rd</sup> parties shall not be acceptable.

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