

Certificate no: CMNZ25004

Version: 02

Original issue date: 10 MARCH 2025

Version date: 12 MARCH 2026

1. Certificate Holder Details



Network Architectural
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2. Product Certification Body



SAI Global Certification Services Pty Limited

(ACN 108 716 669) Trading as "SAI Global"
Operating as "Intertek & Intertek SAI Global"
Address: Level 7 Suite 7.01. 45 Clarence Street,
Sydney NSW 2000 Australia

www.saiglobal.com

Complaints: The complaints process for this certificate can be found here:
<https://saiguarantee.com.au/complaints-appeals/>

Product Certificate

Network Architectural ALPOLIC™ FR

3. Description of Building Method or Product

ALPOLIC™FR is an aluminium composite material (ACM*) with a 3.0mm mineral core, sandwiched between two skins of 0.5mm thick aluminium metal facings, having a total nominal thickness of 4mm.

The topside surface is finished with Lumiflon™ based fluoropolymer coating as standard, and the backside is finished with a thin polyester coating (wash coating) or a service coating. Finishes are available in Solid, Metallic, Sparkling, Prismatic colors, and Patterns.

ALPOLIC™ FR is available in panels of

- Thickness: 4.0mm
- Width: 914mm – 1620mm
- Length: 1800mm – 7200mm

*Note: * Aluminium composite material (ACM) is also commonly referred to as aluminium composite panels (ACP)*

Matters that should be taken into account in the use or application of the building method or product can be found in item 6. Conditions and Limitations of Use. Continuation of description can be found in item 10 – Supporting Information about Description.

Product brochure/catalogue or models identification numbers:

- ALPOLIC™/FR

4. Intended use of Building Method or Product

ALPOLIC™ FR is intended for use as a component (rain screen) of external cladding.

For the avoidance of doubt, ALPOLIC™ FR is not intended for use as a component (rain screen) of external cladding in buildings that are in the risk group of SI.

ALPOLIC™ FR is also intended for use as an internal wall and ceiling lining including wet areas, and eaves lining.

Continuation of intended use can be found in item 11 – Supporting Information about Intended use.



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5. New Zealand Building Code Provisions

Clause B2 Durability — B2.3.1(b)

Clause C3 Fire affecting areas beyond the fire source C3.4(a) (contributes to) – (as an internal lining)

Clause E2 External moisture – E2.3.2 (contributes to); E2.3.7 (contributes to) (as a component of an external cladding)

Clause E3 Internal moisture — E3.3.4 (contributes to); E3.3.5 (contributes to) – (as an internal lining)

Clause F2 Hazardous building materials — F2.3.1

Clause G3 Food preparation and prevention of contamination — G3.3.2(a) (contributes to) & (b) (contributes to) – (as an internal lining)

How the building method or product complies or contributes can be found in item 8. Basis for Certification.

Any qualifications to the extent of that compliance can be found in item 6. Conditions and limitations of use.

6. Conditions and Limitations of Use

1. ALPOLIC™/FR is certified for use only as a component (rain screen) of an external wall cladding system on building where:
 - a) Use is limited to buildings with a building height less than 10 m, and
 - b) Located:
 - The cladding system is installed more than 1 m from a relevant boundary, and
 - The building is located within the exposure zones defined by NZS 3604:2011, excluding microclimates, and
 - c) Installation within the scope of E2/AS1 paragraph 1.1,1 in wind zones up to and including Extra High, incorporating a drained and ventilated cavity and compliant building underlay, or
 - d) Specific engineering design where outside the scope of E2/AS1, demonstrating compliance with E2.3.2 and E2.3.7. and
2. ALPOLIC™/FR is certified for use on buildings:
 - a) as an internal wall or ceiling lining, including wet areas, where a Group 2-S material is permitted under NZBC C3.4(a).

7. Health and Safety Information

- ALPOLIC™ FR – Safety Data Sheet (SDS), 1 April 2020. *The SDS identifies no hazardous materials.*

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8. Basis for Certification

- **B2 Durability** – by comparison with provisions of verification method B2/VM1.
- **C3 Fire affecting areas beyond the fire source** – by testing and comparison with the provisions of acceptable solution C/AS1 & C/AS2 and verification method C/VM2
- **E2 External moisture** – by testing and comparison with the provisions of Verification Method E2/VM1.
- **E3 Internal moisture** – by comparison with provisions of Acceptable Solution E3/AS1 clause 3.1.2
- **F2 Hazardous building materials** – by comparison with the Performance Requirements of F2.3.1 and material datasheet.
- **G3 Food preparation and prevention of contamination** - by comparison with provisions of Acceptable Solution G3/AS1.

9. Supporting Documentation for Certification

Acceptable Solutions and Verification Methods for New Zealand Building Code:

- **B2 Durability** – Acceptable Solution and Verification Methods, 2nd edition (amendment 12, 28 November 2019).
- **C3 Fire affecting areas beyond the source:**
 - C1-C6 Protection from Fire Acceptable Solution C/AS1 Protection from fire for buildings with sleeping (residential) and outbuildings (risk group SH), 2nd edition (2 November 2023)
 - C/AS2 Acceptable Solution for Buildings other than Risk Group SH For New Zealand Building Code Clauses C1-C6 Protection from Fire, 1st edition (amendment 3, 2 November 2023)
 - C/VM2 Verification Method: Framework for Fire Safety Design For New Zealand Building Code Clauses C1-C6 Protection from Fire, 1st edition (amendment 7, 2 November 2023)
- **E2 External moisture** – Verification Methods E2/VM1 and Acceptable Solutions E2/AS1, E2/AS2 and E2/AS3, 3rd edition (amendment 7, 31 March 2019).
- **E3 Internal moisture** – Acceptable Solutions and Verification Methods, 2nd edition (amendment 7, 5 November 2020).
- **F2 Hazardous Building Materials** – Acceptable Solutions and Verification Methods, 1st edition (amendment 3, 1 January 2017).
- **G3 Food preparation and prevention of contamination** – Acceptable Solutions and Verification Methods, 1st edition (amendment 2, 1 January 2017).

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Test Reports:

B2 Durability	1, 2
C3 Fire affecting areas beyond the source	3
E2 External moisture	5
E3 Internal moisture	-
F2 Hazardous Building Materials	4
G3 Food preparation and prevention of contamination	-

- Mitsubishi Chemical Infratec, ALPOLIC/fr, Declaration of ALPOLIC/fr, NC durability of adhesion strength (dated 17 January 2024).** This document provides the test results of ALPOLIC/fr and ALPOLIC NC when tested to ASTM D903 – Peel Strength Testing of Adhesive Bonds and to ASTM D1781 – Climbing Drum Peel Testing (including after accelerated tests) and confirms the adhesion strength between the aluminium skin and the core is durable for 20 years.
- Mitsubishi Chemical Infratec, Declaration of ALPOLIC/fr, NC durability for lamination strength (dated 17 January 2024).** This declaration confirms that the adhesion strength between the aluminium skin and core of ALPOLIC®/fr and NC is durable for 20 years.
- Warringtonfire, ALPOLIC™/fr Reaction to Fire Test Report, Job No. RTF210088, Revision 1.0 (dated 20 May 2021).** This report provides the results of testing 4mm ALPOLIC™/fr to the requirements of AS ISO 9705:2003 (R2016) and determines that the product is classified as Material Group 2-S with Average Smoke Production Rate 0.1m²/s in accordance with the NZ Building Code.
- ALPOLIC™ FR – Safety Data Sheet (SDS), 1 April, 2020.** The SDS identifies no hazardous materials
- Meinhart-Bonacci Consulting Engineers – Alpolic, NZBC E2/VM1 compliance (15 October 2020).** The report identifies compliance for ALPOLIC™ to E2/VM1 from comparison against test report 15/02 (facadelab – IANZ 9055) to AS/NZS 4284:2008.

10. Supporting Information About Description (Optional)

This certification applies to the ALPOLIC™/FR panel only. The fabrication, fixing, installation and performance of any complete cladding system incorporating this product are outside the scope of this certificate.

ALPOLIC™ FR is available in panels of <ul style="list-style-type: none"> Thickness: 4.0mm Width: 914mm – 1620mm Length: 1800mm – 7200mm 	Product tolerance <ul style="list-style-type: none"> Width: ±2.0mm Length: ±1.0mm/m Thickness ±0.2mm Bow: Maximum 0.5% (5mm/m) of the length or width. Squareness: Maximum 5.0 mm. 	Fire hazard properties - group number: Group 2-S
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11. Supporting Information About Intended Use (Optional)

Nil

12. Supporting Information About Conditions and Limitations of Use (Optional)

This certificate does not establish compliance of a complete external wall system with NZBC fire, moisture, structural, or durability requirements.

Signatures

Name and Signature of the Product Certification Body's (PCB) authorised representative and, where different, the person assigned by the PCB to make the certification decision.

Mark Thomas

Executive Vice President,
Assurance, Sustainability, AgriWorld & Food

All CodeMark certificates that are current must be registered with MBIE. MBIE maintains a register of valid product certificates. [Please find the register here.](#)

If the certificate is not listed on this register or it appears as (SUSPENDED), it is not a valid CodeMark certificate and does not have to be accepted by a building consent authority as establishing compliance with the New Zealand Building Code.



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