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Richard Donarski – CMI

Certificate number: CM40314

THIS IS TO CERTIFY THAT

Alfred Solid Panel

Type and/or use of product:

Exterior facade, interior wall lining and ceiling lining.

Description of product:

3mm Pre-Finished Aluminium Panel with a PPG Fluoropolymer based paint system.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S)

BCA 2022

	Volume One	Volume Two
Performance Requirement(s):	F3P1 Weatherproofing – Subject to <i>Limitation and Condition 1</i>	H2P2 Weatherproofing – Subject to <i>Limitation and Condition 1</i>
Deemed-to-Satisfy Provision(s):	C2D10(6)(e) Non-combustible building elements – Panel only C2D11(1)(b) Fire hazard properties – Panel only	H3D2(1)(e) Non-combustible materials – Panel only
State or territory variation(s):	Not Applicable	Not Applicable

SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B

Limitations and conditions:

- To satisfy F3P1 & H2P2 via verification, the relevant design is required to meet the criteria of F3V1 and/or H2V1 to the satisfaction of the Appropriate Authority as defined by the NCC. The site specific building must;
 - (a)(i) has a risk score of 20 or less, when the sum of all risk factor scores are determined in accordance with Table F3V1a/H2V1a; and
 - (a)(ii) is not subjected to an ultimate limit state wind pressure of more than 2.5kPa; and
 - (a)(iii) includes only windows that comply with AS 2047
 Compliance with Weatherproofing is limited to the installations in accordance with [Alfred Solid - Installation Manual - Caulked Joint September 2023](#) or [Alfred Solid - Installation Manual - Open Joint September 2023](#), deviations from this is subject to site specific design and approval by the regulatory authority.
- This certificate relates solely to the non-combustibility of the panel only and specifically excludes compliance of the system to resist the spread of flame via the façade of the building. Site Specific advice from an appropriately qualified person should be obtained where the product is intended to be used on a building required to be of Type A or B Construction.
- This certificate is limited to the details within this certificate including the above compliance elements, product description, purpose or use.
- Other than the items and information listed, the remainder of the information contained in the product's literature is outside the scope of this certification.
- Installation is subject to site specific engineering and design by suitably qualified persons.

Building classification/s:

Class 1,2,3,4,5,6,7,8,9 & 10

Date of issue: 22/09/2023

Date of expiry: 28/09/2026



Don Grehan – Unrestricted Building Certifier



Certificate of Conformity

6. The use of the certified product/system is subject to these Limitations and Conditions and must be read in conjunction with the Scope of Certification below.

Scope of certification: The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website www.abcb.gov.au. This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the Certificate Holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.

Only criteria as identified within this Certificate of Conformity can be used for CodeMark certification claims. Where other claims are made in a client's Installation Manual, Website or other documents that are outside the criteria on this Certificate of Conformity, such criteria cannot be used or claimed to meet the requirements of this CodeMark certification.

The NCC defines a Performance Solution as one that complies with the Performance Requirements by means other than a Deemed-to-Satisfy Solution. A Building Solution that relies on a CodeMark Certificate of Conformity that certifies a product against the Performance Requirements cannot be considered as Deemed-to-Satisfy Solution.

This Certificate of Conformity may only relate to a part of a Performance Solution. In these circumstances other evidence of suitability is needed to demonstrate that the relevant Performance Requirements have been met. The relevant provisions of the Governing Requirements in Part A of the NCC will also need to be satisfied.

This Certificate of Conformity is issued based on the evidence of compliance as detailed herein. Any deviation from the specifications contained in this Certificate of Conformity is outside of this document's scope and the installation of the certified product will not be covered by this Certificate of Conformity.

Disclaimer: The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

When using the CodeMark logo in relation to or on the product/system, the Certificate Holder makes a declaration of compliance with the Scope of Certification and confirms that the product is identical to the product certified herein. In issuing this Certificate of Conformity, CMI Certification Pty Ltd (CMI) has relied on the experience and expertise of external bodies (laboratories and technical experts).

Nothing in this document should be construed as a warranty or guarantee by CMI, and the only applicable warranties will be those provided by the Certificate Holder.

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

Exterior facade, interior wall lining and ceiling lining.

A2 Description of product

Pre-Finished 3003 Series H14 Aluminium Panel with a PPG Fluoropolymer based paint system available in a range of colours.

Thickness: 3^{+/-0.1}mm - Width: 1250^{+/-2}mm / 1575^{+/-2}mm - Length: 1800^{+/-2} – 4200^{+/-2}mm.

A3 Product specification

Fire Hazard Properties

Group Number 1

The material is NOT deemed COMBUSTIBLE according to the test criteria specified in Clause 3.4 of AS 1530.1-1994.

Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Developed Index	0-1

Weatherproofing

Mechanical Fixing System with Caulked system:

- ALFLEX SOLID 3mm Solid Aluminium Panel fabricated to create a Pan Panel
- Aluminium continuous Z angle Large 24mm
- Aluminium continuous Z angle Small 22.5mm
- Galvanized Top Hat 1.6mm thick Gauge (Minimum of 15mm in height)
- Crop Top Screws 16mm
- 10mm backing rod
- Flexible Caulking Sealant - TREMGlaze 50 Sealant or equivalent.

ALFLEX SOLID Mechanical Fixing System with Dry seal system:

- ALFLEX SOLID 3mm Solid Aluminium Panel fabricated to create a Pan Panel
- CSACM-01 continuous aluminium structural rail
- CSACM-04 continuous aluminium structural rail
- Proprietary two-part flashing at horizontal panel joint
- Galvanized Top Hat 1.6mm thick Gauge (Minimum of 15mm in height)
- Crop Top Screws 16mm

Certificate of Conformity

A4 Manufacturer and manufacturing plant(s)

UNIENCE Co., Ltd.
Factory: 46, Gwahaksaneop 1-ro,
Oksan-myeon, Heungdeok-gu, South Korea.
Ph: +82 2 2047 4715
E: info@alfrex.com.au

A5 Installation requirements

Installation must be in accordance with the [Alfrex Solid - Installation Manual - Caulked Joint September 2023](#) or [Alfrex Solid - Installation Manual - Open Joint September 2023](#).

A6 Other relevant technical data

No other relevant technical data.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Fire Safety Provisions A5G3(1)(d). Reports from Accredited Testing Laboratories.
2. Weatherproofing Provisions A5G3(1) (d)&(e). Reports from Accredited Testing Laboratories & Appropriately Qualified Person.

B2 Reports

1. AWTA Product Testing; NATA Accreditation No. 1356; Test Report No. 19-000345; Dated 13/03/2019. Reports provides confirmation of the Group Number in accordance with Specification S7C4 for compliance with C2D11(1)(b).
2. AWTA Product Testing; NATA Accreditation No. 1356; Test Report No. 20-000737; Testing in accordance with AS/NZS 1530.3-1999 Methods for Fire Tests on Building Materials, Components and Structures Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release; Dated 27/02/2020. Report provides Fire Hazard Properties as required for compliance with C2D10(6)(e) and C2D11 (1)(b).
3. CSIRO; NATA Accreditation No. 165; Certificate of Test No. FNC12174; Combustibility test for materials in accordance with AS 1530.1-1994; Dated 12/06/2018. Report confirms non-combustible properties of the Alfrex Solid Panel as required by C2D10(6)(e) and H3D2(1)(e).
4. Façadelab; IANZ Accreditation No. 1091; Test Report No. 18-20; Dated 6-8/11/2018. Report provides evidence for compliance with F3P1 and H2P2.
5. VIPAC Engineers and Scientists; NATA Accreditation No. 676; Test Report No. 30B-19-0017-TNT-6763334-1; Dated 05/07/2019. Report provides evidence for compliance with F3P1 and H2P2.
6. VIPAC Engineers and Scientists; NATA Accreditation No. 676; Test Report No. 30B-19-0017-TNT-6763334-2 - FP 1.4 - P2.2.2 - Opinion Letter; Dated 01/09/2020. Report provides evidence for compliance with F3P1 and H2P2.

The Certificate Holder has chosen not to make the above evidence of compliance publicly available, due to the documents being considered commercial in confidence.