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Certificate number: CM40366 Rev1

THIS IS TO CERTIFY THAT

ProClad™ SOLID and ProClad™ LINEAR

Type and/or use of product:

External facade cladding applications

Description of product:

ProClad™ LINEAR (limited to the 180mm Empire profile) is a cladding panel system comprising non-combustible pre-finished solid aluminium extruded secret fix, interlocking weatherboard style cladding panels.

ProClad™ SOLID is a cladding panel system comprising non-combustible pre-finished aluminium, folded cassette panels.

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

BCA 2022

	Volume One	Volume Two
Performance Requirement(s):	F3P1 Weatherproofing – Will contribute to the overall weatherproofing of the building subject to <i>Limitation and Condition No. 5.</i>	H2P2 Weatherproofing – Will contribute to the overall weatherproofing of the building subject to <i>Limitation and Condition No. 5.</i>
Deemed-to-Satisfy Provision(s):	C2D10 Non-Combustible building elements – Subject to <i>limitation & condition 3 & 4.</i> C2D11 (1)(b) & (i) Fire hazard properties – Group Number 1 – Refer A3. G5D3 Construction in bushfire prone areas up to BAL – 19 subject to <i>limitation & condition 7.</i>	H3D2(1)(g) Non-Combustible building elements – Subject to <i>limitation & condition 3 & 4.</i> H7D4 Construction in bushfire prone areas up to BAL – 19 subject to <i>limitation & condition 7.</i>
State or territory variation(s):	G5D3 (NSW)	H7D4 (NSW, Qld)

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

Limitations and conditions:

1. Certification of the ProClad™ LINEAR is limited to the 180mm Empire profile. Other sizes and profiles of ProClad™ Linear are outside the scope of this certification.

Building classification/s:

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



Talissa Ireland – CMI



Don Grehan – Unrestricted Building Certifier

Date of issue: 24/05/2024

Date of expiry: 06/04/2026



Certificate of Conformity

2. Installation must be in accordance with the [ProClad Linear Installation Manual ISSUE E February 2024](#) and the [ProClad Solid Installation Manual ISSUE C February 2024](#).
3. The material is NOT deemed COMBUSTIBLE according to the test criteria specified in Clause 3.4 of AS 1530.1:1994.
4. The claim for Non-Combustibility stated in this Certificate of Conformity, is limited to the ProClad™ SOLID and ProClad™ LINEAR panels only and excludes any associated fixings, products and materials.
5. Weatherproofing of external walls must be confirmed by a site specific performance solution to the satisfaction of the Appropriate Authority. Refer A3 for details.
6. In all installations, the minimum clearance between the underside of panel and the adjoining surface level below must comply with the specifications in Part 7.5.7 of the ABCB Housing Provisions.
7. For compliance with G5G3 and H7D4 ProClad™ SOLID and ProClad™ LINEAR panel systems can be used cladding that is fixed externally to a timber-framed or a steel-framed wall and is non-combustible material as specified in AS 3959:2018 up to BAL – 19. In order to maintain compliance with BAL, it is the responsibility of the Building Designer to ensure compliance is achieved in accordance with AS 3959:2018.
8. The structural support members are designed and engineered separately as per project requirements by building designers and engineers.
9. The Group Number determined was in accordance with AS 5637.1-2015 with testing in accordance with AS/NZS 3837-1998 as per AS 5637.1 Clause 9(n).
10. 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

As per page 1.

A2 Description of product

ProClad™ LINEAR - Non-Combustible Aluminium Planking cladding system (limited to the 180mm Empire Profile). 2.5mm thick 6063 T5 Extruded Aluminium, fixed to Aluminium Top Hat, Siniat Board and or Breathable Membrane.

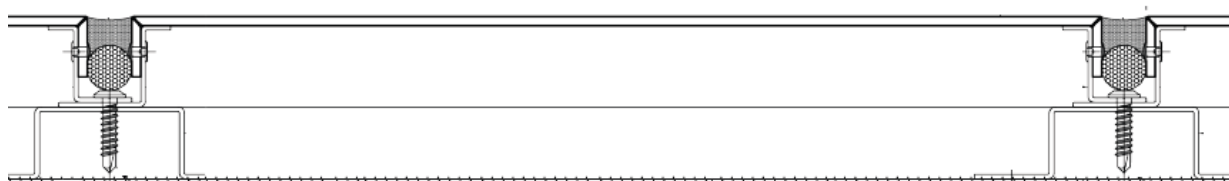


EMPIRE

- Ultramodern wide boards with a recessed shadow in between each board
- A complete system with components for fixing and corner details
- Available in 180mm widths at 6.5m lengths



ProClad™ SOLID – Non-Combustible Aluminium Cassette System. PPG Coated 3mm thick Solid Aluminium Sheet 5052 H34 Grade. Cassettes folded and trimmed with Aluminium Angle / Aluminium Z sections and fixed back to Aluminium Top Hats, Breathable Membrane.



Certificate of Conformity

A3 Product specification

Weatherproofing

The ProClad™ SOLID and ProClad™ LINEAR Empire 180mm extruded cladding panel system have passed the test methods of AS/NZS 4284:2008. A summary of the test specimens, pressures and results are outlined below.

Tested Systems

- ProClad™ SOLID 3mm aluminium panels; CSR Bradford Enviroseal vapour permeable wall wrap. Specimen tested by the methods of AS/NZS 4284.
- ProClad™ LINEAR 2.5mm weather defence vertical boards with Siniat weather defence rigid Air barrier. Specimen tested by the methods of AS/NZS 4284.

Results

Nominated Serviceability limit state pressures:	+2500 Pa and -2500 Pa	Pass
Nominated Water penetration test pressures:	Max Static; 750 Pa Max Cyclic; 750 - 1500 Pa	Pass
Nominated Ultimate limit state pressures:	+3750 Pa and -3750 Pa	Pass

Source: Ian Bennie and Associates Report No. 2022-006-S1 dated 11/03/2022 and Ian Bennie and Associates Report No. 2021-030-S1 dated 28/02/2022.

Performance Solution

A site-specific Performance Solution for the ProClad™ SOLID Pre-Finished, Solid Aluminium, Folded Cassette Cladding Panel System and the ProClad™ LINEAR Empire Pre-Finished, Solid Aluminium, Extruded Cladding Panel System will be required for compliance with F3P1 or H2P2. The Certificate Holder has made available upon request the following Reports.

- F3P1 [vol. 1] / H2P2 [vol. 2] ProClad™ SOLID Pre-Finished, Solid Aluminium, Folded Cassette Cladding Panel System: Weatherproofing Performance Solution Report (face sealed with CSR Bradford Enviroseal CW sarking behind cladding line) [BCA 2022]
- F3P1 [vol. 1] / H2P2 [vol. 2] ProClad™ LINEAR Empire Pre-Finished, Solid Aluminium, Extruded Cladding Panel System: Weatherproofing Performance Solution Report (Vertical application rainscreen system with Siniat weather board behind panels) [BCA 2022]

Source: Atelier JV (Aust.) XX Engineering Pty Ltd trading as Atelier JV(Aust); Report Number. P22047_RPT_ONO2_F3P1 Revision 2; Dated 08/02/2024.

Non-combustibility

ProClad™ SOLID 3mm aluminium panels and ProClad™ LINEAR 2.5mm are NOT deemed combustible according to the test criteria specified in Clause 3.4 of AS 1530.1-1994.

Source: CSIRO Test Report No. FNC12502; combustibility test for materials in accordance with AS 1530.1-1994 dated 17/12/2019 & CSIRO Test Report No. FNC12524 combustibility test for materials in accordance with AS 1530.1-1994 dated 23/01/2020.

Fire Hazard Properties – Group number

Group Number Assessment In accordance with AS 5637.1-2015 based on testing that was performed in accordance with AS/NZS 3837-1998 Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter. As per AS 5637.1 Clause 9(n) it was valid to test this particular material / system in the cone calorimeter for the assignment of a NCC Group Number.

Product Group Number Classification: 1

Average Specific Extinction Area: 16.2 m²/kg

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Source: AWTA Product Testing Test Report No. 22-001223; Group Number Assessment dated 09/05/2022.

Bushfire

Compliance with Bushfire Attack Level up to BAL – 19 has been determined based on non-combustibility testing to AS 1530.1-1994 of the ProClad™ SOLID and ProClad™ LINEAR panels and requirements of AS 3959:2018.

Source: Standards Australia; AS 3959:2018 Construction of buildings in bushfire prone areas dated 14/11/2018.

A4 Manufacturer and manufacturing plant(s)

This field is optional. Contact the Certificate Holder for details.

A5 Installation requirements

Installation must be in accordance with the [ProClad Linear Installation Manual ISSUE E February 2024](#) and the [ProClad Solid Installation Manual ISSUE C February 2024](#)

Compliance with F3P1 and H2P2 will require the review and use of the following documents:

- [AFS LINEAR F3P1 NCC 2022 REPORT Rev 3 240305 Doc 18.pdf](#)
- [AFS SOLID F3P1 NCC 2022 REPORT Rev 3 240305 Doc 19.pdf](#)

A6 Other relevant technical data

Fire Hazard Properties – Fire Indices

Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release AS/NZS 1530.3-1999 Indices.

Prefinished aluminium alloy panel coated with polyvinylidene fluoride (PVDF) on one face.

Ignitability Index	0	Range 0-20
Spread of Flame Index	0	Range 0-10
Heat Evolved Index	0	Range 0-10
Smoke Index	0-1	Range 0-10

Prefinished aluminium alloy panel coated with powder coat finish on one face.

Ignitability Index	0	Range 0-20
Spread of Flame Index	0	Range 0-10
Heat Evolved Index	0	Range 0-10
Smoke Index	3	Range 0-10

Source: CSIRO Report No. FNE12505; Testing in accordance with AS/NZS 1530.3:1999 dated 18/12/2019.

Source: AWTA Report No. 2000297; Testing in accordance with AS/NZS 1530.3:1999 dated 27/10/2020.

Hail Impact Testing

The ProClad™ SOLID 3mm Aluminium sheet has been tested in accordance with the test procedures of the Texas Tech University variation for wall materials on ANSI FM 4473: Test Standard for Impact Resistance Testing of Rigid Roofing Materials by Impacting with Freezer Ice Balls. Testing was required on an “observe and report” basis, with measurement of indentation due to the impacts. Contact Certificate Holder for details.

Source: Ian Bennie and Associates Report No. 2021-067-S1,S2&S3 dated 17/03/2022.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Fire Safety Provisions A5G3(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.
2. Weatherproofing Provision A5G3(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.

B2 Reports

1. Atelier JV (Aust.) XX Engineering Pty Ltd trading as Atelier JV(Aust); Report Number. P22047_RPT_ONO2_F3P1 Revision 2; Weatherproofing Performance Solution Report – ProClad™ LINEAR Empire; Dated 08/02/2024. Report provides evidence for compliance with F3P1 and H2P2.
2. Atelier JV (Aust.) XX Engineering Pty Ltd trading as Atelier JV(Aust); Report Number. P22047_RPT_ONO1_F3P1 Revision 2; Weatherproofing Performance Solution Report – ProClad™ SOLID; Dated 08/02/2024. Report provides evidence for compliance with F3P1 and H2P2.
3. AWTa Product Testing; NATA Accreditation No. 1356; Report No. 22-001223; Determination in accordance with AS 5637.1-2015; Dated 09/05/2022. Report outlines Group Number Classification in compliance with C2D11 (1)(b) & (i).
4. AWTa Product Testing; NATA Accreditation No. 1356; Report No. 22-001223; Testing in accordance with AS/NZS 3837-1998; Dated 29/04/2022. Report provides testing results used for assessment of Group Number Classification in compliance with C2D11 (1)(b) & (i).
5. CSIRO; NATA Accreditation No. 165; Test Report No. FNC12524; Combustibility test for materials in accordance with AS 1530.1-1994; dated 23/01/2020. Report confirms non-combustibility and compliance with C2D10, G5D3, H3D2(1)(g) & H7D4.
6. Ian Bennie and Associates; NATA Accreditation No. 2371; Report No. 2021-030-S1; Testing in accordance with AS/NZS 4284:2008; Dated 28/02/2022. Report provides evidence for compliance with F3P1 and H2P2.
7. Ian Bennie and Associates; NATA Accreditation No. 2371; Report No. 2022-006-S1; Testing in accordance with AS/NZS 4284:2008; Dated 11/03/2022. 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.