# Certificate of Conformity

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**Certificate number: CM40434**

THIS IS TO CERTIFY THAT

## 75mm MaxiWall ZeroLot Boundary Wall System

**Type and/or use of product:**

Low Rise Multi Residential ZeroLot Boundary Wall System

**Description of product:**

ZeroLot Boundary Wall System comprises a steel reinforced 75mm non load bearing Autoclaved Aerated Concrete (AAC) panel, comprising several proprietary components installed vertically

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) **BCA 2022 (Amdt. 2)**

| | Volume One | | Volume Two | |
|---|---|---|---|---|
| **Performance Requirement(s):** | B1P1(1), (2)(a), (b), (c) & (d) | Structural reliability | H1P1(1), (2)(a), (b), (c) & (d) | Structural reliability and resistance |
| | F3P1 | Weatherproofing – Subject to Limitation and Condition 3. | H2P2 | Weatherproofing – Subject to Limitation and Condition 3. |
| **Deemed-to-Satisfy Provision(s):** | C2D2(2) | Fire Resistance – (90/90/90 from panel side only) – Subject to *Limitation and condition 4.* Refer A3 for FRLs achieved. | H3D3 | Construction of External Walls – (90/90/90 from panel side only) – Subject to *Limitation and condition 2.* Refer A3 for FRLs achieved. |
| | G5D3 | Construction in bushfire prone areas – BAL-FZ subject to *Limitation and Condition 7, 8, & 9.* | H7D4 | Construction in bushfire prone areas – BAL-FZ subject to *Limitation and Condition 7, 8, & 9.* |
| | J4D6 | Energy efficiency - Walls – Refer A3 | H6D2(1)(b)(i) | Energy Efficiency – External walls – Refer A3 |
| **State or territory variation(s):** | G5D3 (NSW), J4D6 (NSW) | | H6D2 (VIC), H7D4 (NSW, Qld & SA) | |

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. The 75mm MaxiWall ZeroLot Boundary Wall System must be design and constructed in accordance with the 75mm MaxiWall ZeroLot Boundary Wall System PW01 23-10-2025.
2. The structural support members are designed and engineered separately as per project requirements by building designers and engineers.
3. For construction in Wind Regions N1, N2 & N3 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;
   (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

**Building classification/s:**

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

**Glen Gugliotti – CMI**

**Don Grehan – Unrestricted Building Certifier**

**Date of issue:** 13/02/2026

**Date of expiry:** 13/02/2029

(ii) is not subjected to an ultimate limit state wind pressure of more than 2.5kPa; and
(iii) includes only windows that comply with AS 2047.

Compliance with Weatherproofing is limited to the tested specimen detailed in A3, deviations from this specimen, is subject to site specific design and approval by the regulatory authority. For Construction in Wind Regions N4, C1, C2, C3, & C4; a site specific performance solution addressing F3P1 & H2P2 is required.

4. Fire Resistance Level (FRL) – 90/90/90 is only applicable to walls exposed to fire from the panel side only. Compliance with FRL is dependent on the system components being as specified in 75mm MaxiWall ZeroLot Boundary Wall System PW01 23-10-2025 as assessed by Ignis Labs Pty Ltd. Refer A3. Any deviation from this system does not form part of this certificate of conformity.
5. Reference to the use of timber framing systems in Section A3 is strictly limited to Class 1 & 10 Buildings and structures, Class 2 – 9 Buildings of Type C Construction or otherwise where concession for timber framed construction apply.
6. The timber frames shall be designed in accordance with AS 1720.1-2010 or AS 1684-2010 series, or steel frames in accordance with AS 3623:1993 (R2018) or AS/NZS 4600:2018
7. 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. Compliance with BAL should be reviewed with the respective BAL requirements of AS 3959 by Building Designers & Authorities having jurisdiction as each building may require specific design or construction requirements outside of the specific wall material.
8. Compliance with BAL-FZ is limited to the requirements of Section 9.1 of AS 3959:2018 and requires a minimum distance of 10m from the edge of any classified vegetation. This product is not suitable to be installed where the 10m setback distance between the building and the edge of the classified vegetation cannot be achieved.
9. In order to comply with the NSW provisions of G5D3, a site-specific performance solution is to be prepared in line with the Planning for Bush Fire Protection 2019 guidance document.
10. 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.
11. 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.

# Certificate of Conformity

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**

**MaxiWall Panel Physical Properties**

| | | | | | |
|---|---|---|---|---|---|
| Thickness: | 75mm | | | | |
| Standard Width: | 600mm | | | | |
| Standard Length: | 2400mm to 3300mm | | | | |
| Reinforcement: | 4 x Ø4mm steel mesh and 6-8 transverse bar | | | | |
| Nominal Dry Density: | 400 kg/m³ | Average working density: | 540 kg/m³ at 35% moisture content | Average service life density: | 440 kg/m³ at 10% moisture content |

**75mm MaxiWall ZeroLot Boundary Wall System Components**

| Product | Description |
|---|---|
| 75mm MaxiWall Panel | The Panel is a 75mm thick AAC panel with a minimum nominal dry density of 400 kg/m³ installed vertically to timber or steel framing via top hats. |
| AAC Adhesive | A dry mixed product made from a blend of selected raw materials such as cement, graded aggregates and performance additives. Used as a structural thin bed adhesive for adhering panels in the construction of walls |
| Anti-corrosion Paint | For coating and protection of exposed steel reinforcement mesh from corrosion after cutting of the panel. |
| Joint Sealant | Sealing joints and wall penetrations that are subjected to high humidity and movements. The joint sealant provides superior integrity for fire and acoustic sealing, even when excessively stretched, sealants help maintain the joint's integrity. |
| Patch Compound | Pre-mixed, water based jointing and patching compound for repairing minor chips, cracks and damages to the corners and edges of panels. It can also be used as a filler compound. |
| Render Coating | High build acrylic modified cement-based renders for weather resistant, decorative and durable surface finishes over the panels. |
| Thin-Bed Mortar | Thin-bed, high-strength mortar for the placement of panels where levelling and bonding is required in wall construction. The mortar helps in the integrity of an airtight construction for sound insulation and fire protection at the base of the panels. |
| Top Hat | 24 mm deep x 30 mm wide x 0.42 BMT |
| Fasteners & Fixing | Fixing of top hat to timber stud frame; No.12-11 x 35 mm Hex Head Type 17 Screw or 5.5 x 40mm batten zips |
| | Fixing of top hat to steel framing; No.10-16 x 16 mm Hex Head Tek Screw |
| | Fixing panels to top hat; No.14-10 x 90 mm Bugle Head Type 17 Screw or No. 14-10 x 125 mm Bugle Head Type 17 Screw |
| Wall Wrap | Thermoseal Wall Wrap XP, Enviroseal ProctorWrap RW, Thermoseal Wall Wrap PRIME, Polyair Performa 4.0 XHD. |

**A3 Product specification**

The properties of the wall systems relevant to the 75mm MaxiWall ZeroLot Boundary Wall System, as described herein, vary with the configuration of the wall structure; It is therefore considered essential that this certificate be read in conjunction with 75mm MaxiWall ZeroLot Boundary Wall System PW01 23-10-2025.

| | |
|---|---|
| **Structural [B1P1(2)(c) & H1P1(2)(c)]** | Confirmation that the structural capacity design calculations for strength and serviceability requirements were carried out in accordance with the current relevant building and structural engineering codes in particular; AS 1170.0:2002, AS 1170.1:2002, AS 1170.2:2021, AS 1170.4:2007, AS 5146.2:2018, AS 5216:2021. Structural compliance B1P1 (1), (2) (a)(b)(c)(d) & H1P1 (1), (2) (a)(b)(c)(d) covers wind classifications N1-N4 & C1-C2. Refer the Design Table for Maxiwall ZeroLot Boundary System on page 46 of the 75mm Maxiwall Intertenancy Party Wall / Boundary Wall Installation Guide (PW01, 23-10-2025).<br><br>***Source:*** *PACE Structural, Report PS25151 Structural Design Certificate dated 10/12/2025.* |
| **Weatherproofing [F3P1 & H2P2]** | 75mm MaxiWall AAC wall panels when installed in accordance with the details outlined in the 75mm Maxiwall Intertenancy Party Wall / Boundary Wall Installation Guide (PW01, 23-10-2025), (with adhesives applied to the edges and with a weatherproof coat) will meet compliance in a vertical configuration for up to, and including, Wind category N3. ZeroLot boundary walls as external cladding for low rise buildings, except that for such applications, the external surface of the walls will be coated to be made waterproof as per the requirements of AS 5146.3:2018. Where Flashing is required for capping it must be designed and installed as per site specific engineering.<br><br>***Source:*** *AECOM, External cladding assessment report dated 11 April 2022.* |
| **Fire resistance Level [C2D2(2) & H3D3]** | The Fire Resistance Level of 75mm MaxiWall ZeroLot Boundary Wall System has been assessed use as an External Wall System and achieves an FRL of **90/90/90.**<br><br>Refer Table 1.1.1 of the 75mm Maxiwall Intertenancy Party Wall / Boundary Wall Installation Guide (PW01, 23-10-2025).<br><br>***Source:*** *CSIRO Report No. FCO-3003 Revision E dated 30/08/2024.* |
| **Bushfire Construction [G5D3 & H7D4]** | The 75mm MaxiWall ZeroLot Boundary Wall System had been tested for FRL performance in accordance to AS1530.4 that satisfied the construction requirements up to BAL - FZ as specified in Australian Standard AS3959. It is the responsibility of the building designer to ensure compliance to AS 3959 is achieved in accordance with clause H7D4(2)(a) of NCC 2022 Volume 2 & Housing Provisions.<br><br>***Source:*** *CSIRO Ref No. FCO-3003/SP3672 dated 8 March 2023.* |

**Thermal Performance [J4D6 &H6D2(1)(b)(i)]**

**75mm MaxiWall panel (dry density 413 kg/m³) Wall Systems**

| Stud Frame | Top hat Cavity | Wall Thickness | Batts | Wall Wrap | Insulation Path | | Overall (Pine Framing 12.13% area) | | Overall (Steel framing 5.8% area) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Total $R_{Ti}$ m² K/W | | Total R, m² K/W | | Total R, m² K/W | |
| | | | | | Summer | Winter | Summer | Winter | Summer | Winter |
| 64mm | 24mm | 173mm | None | None | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| | | | None | Thermoseal Wall Wrap XP Plus | 1.6 | 1.7 | 1.6 | 1.7 | 1.6 | 1.7 |
| | | | None | Polyair Performa 4.0 XHD | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| | | | 70mm Bradford Soundscreen Batts R2.0 | Thermoseal Wall Wrap XP | 2.8 | 3.0 | 2.8 | 3.0 | 2.8 | 3.0 |
| | | | 70mm Bradford Soundscreen Batts R2.0 | Enviroseal ProctorWrap RW | 2.5 | 2.6 | 2.5 | 2.6 | 2.5 | 2.6 |
| | 35mm | 184mm | None | None | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| | | | None | Thermoseal Wall Wrap XP Plus | 1.6 | 1.7 | 1.6 | 1.7 | 1.6 | 1.7 |
| | | | None | Polyair Performa 4.0 XHD | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| | | | 70mm Bradford Soundscreen Batts R2.0 | Thermoseal Wall Wrap XP | 2.8 | 3.0 | 2.8 | 3.0 | 2.8 | 3.0 |
| | | | 70mm Bradford Soundscreen Batts R2.0 | Enviroseal ProctorWrap RW | 2.7 | 2.9 | 2.7 | 2.9 | 2.7 | 2.9 |
| 70mm | 24mm | 179mm | None | None | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| | | | None | Thermoseal Wall Wrap XP Plus | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| | | | None | Polyair Performa 4.0 XHD | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| | | | 70mm Bradford Soundscreen Batts R2.0 | Thermoseal Wall Wrap XP | 3.0 | 3.1 | 3.0 | 3.1 | 3.0 | 3.1 |
| | | | 70mm Bradford Soundscreen Batts R2.0 | Enviroseal ProctorWrap RW | 2.6 | 2.8 | 2.6 | 2.8 | 2.6 | 2.8 |
| | 35mm | 190mm | None | None | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| | | | None | Thermoseal Wall Wrap XP Plus | 1.6 | 1.7 | 1.6 | 1.7 | 1.6 | 1.7 |
| | | | None | Polyair Performa 4.0 XHD | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| | | | 70mm Bradford Soundscreen Batts R2.0 | Thermoseal Wall Wrap XP | 3.0 | 3.1 | 3.0 | 3.1 | 3.0 | 3.1 |
| | | | 70mm Bradford Soundscreen Batts R2.0 | Enviroseal ProctorWrap RW | 2.6 | 2.8 | 2.6 | 2.8 | 2.6 | 2.8 |

***Notes:*** *Above all for 10mm Plasterboard Plus lining. The above results are for 75mm Maxiwall (dry density 413kg/m3) external wall system with assumed thermal resistance of R0.60 m².K/W for 4.0% moisture content. For 6mm skim render, Total R-values are R0.04 more than those above.*

***Source:*** *James M Fricker; Report i107f; Thermal performance calculations to AS/NZS 4859 Parts 1 & 2:2018; Dated 01/10/2020.*

| Thermal Performance [J4D6 &H6D2(1)(b)(i)] | Stud Frame | Top hat Cavity | Wall Thickness | Batts | Wall Wrap | Insulation Path | | Overall (Pine Framing 12.13% area) | | Overall (Steel framing 5.8% area) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Total $R_{Ti}$ $m^2$ K/W | | Total R, $m^2$ K/W | | Total R, $m^2$ K/W | |
| | | | | | | Summer | Winter | Summer | Winter | Summer | Winter |
| | 90mm or 92mm | 24mm | 199mm | None | None | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| | | | | None | Thermoseal Wall Wrap XP Plus | 1.6 | 1.7 | 1.6 | 1.7 | 1.6 | 1.7 |
| | | | | None | Polyair Performa 4.0 XHD | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| | | | | 90mm Bradford Gold Wall Batts R2.0 | Thermoseal Wall Wrap XP | 2.9 | 3.1 | 2.9 | 3.1 | 2.9 | 3.1 |
| | | | | 90mm Bradford Gold Wall Batts R2.5 | Enviroseal ProctorWrap RW | 3.1 | 3.3 | 3.1 | 3.3 | 3.1 | 3.3 |
| | | | | 90mm Bradford Polymax Wall Batts R2.5 | Enviroseal ProctorWrap RW | 3.1 | 3.3 | 3.1 | 3.3 | 3.1 | 3.3 |
| | | | | 90mm Bradford Gold Wall Batts R2.7 | Enviroseal ProctorWrap RW | 3.3 | 3.5 | 3.3 | 3.5 | 3.3 | 3.5 |
| | | 35mm | 210mm | None | None | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| | | | | None | Thermoseal Wall Wrap XP Plus | 1.6 | 1.7 | 1.6 | 1.7 | 1.6 | 1.7 |
| | | | | None | Polyair Performa 4.0 XHD | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| | | | | 90mm Bradford Gold Wall Batts R2.0 | Thermoseal Wall Wrap XP | 2.9 | 3.1 | 2.9 | 3.1 | 2.9 | 3.1 |
| | | | | 90mm Bradford Gold Wall Batts R2.5 | Enviroseal ProctorWrap RW | 3.1 | 3.3 | 3.1 | 3.3 | 3.1 | 3.3 |
| | | | | 90mm Bradford Polymax Wall Batts R2.5 | Enviroseal ProctorWrap RW | 3.1 | 3.3 | 3.1 | 3.3 | 3.1 | 3.3 |
| | | | | 90mm Bradford Gold Wall Batts R2.7 | Enviroseal ProctorWrap RW | 3.3 | 3.5 | 3.3 | 3.5 | 3.3 | 3.5 |

***Notes:*** *Above all for 10mm Plasterboard Plus lining. The above results are for 75mm Maxiwall (dry density 413kg/m3) external wall system with assumed thermal resistance of R0.60 $m^2$.K/W for 4.0% moisture content. For 6mm skim render, Total R-values are R0.04 more than those above.*

*Source: James M Fricker; Report i107f; Thermal performance calculations to AS/NZS 4859 Parts 1 & 2:2018; Dated 01/10/2020.*

**A4 Manufacturer and manufacturing plant(s)**

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

**A5 Installation requirements**

Only to be installed in accordance with 75mm MaxiWall ZeroLot Boundary Wall System PW01 23-10-2025.

**A6 Other relevant technical data**

No other relevant technical data.

## APPENDIX B – EVALUATION STATEMENTS

**B1 Evaluation methods**

1. Energy Efficiency Provisions A5G3(1)(e). Reports from a professional engineer or an appropriately qualified person.
2. Fire Safety Provisions A5G3(1)(d). Reports from Accredited Testing Laboratories.
3. Structural Resistance Provisions A5G3(1)(e). Certificate from a professional engineer or an appropriately qualified person.
4. Weatherproofing Provisions A5G3(1)(e). Report from a professional engineer or an appropriately qualified person.

**B2 Reports**

1. AECOM Australia Pty Ltd; Assessment report of External Cladding for Low and High Rise Buildings; Dated 11/04/2022. Letter provides evidence of weatherproofing compliance for 75mm AAC external wall systems with F3P1 and H2P2.
2. CSIRO; NATA Accreditation No. 165; Report No. FCO-3003 Revision E; The fire-resistance of 75mm single reinforcement AAC Panel external wall system in accordance with AS 1530.4-2014; Dated 30/08/2024. Reports provides FRLs achieved that confirms compliance with C2D2(2), H3D3, G5D3 & H7D4.
3. James M Fricker Pty Ltd; Report Number. i107f; Thermal performance calculations to AS/NZS 4859 Parts 1 & 2:2018; Dated 01/10/2020. Report provides Thermal Calculations for the wall system that can be used with other building elements to achieve a Total R-Values for compliance with J4D6 and H6D2(1)(b)(i).
4. PACE Structural Pty Ltd; File No. PS25151; Structural Design Certificate; Dated 10/12/2025. Certificate provides confirmation of compliance of the design capacity calculations of 75mm MaxiWall ZeroLot Boundary Wall System with BCA requirements of B1P1(1), (2)(a), (b), (c) & (d) & H1P1(1), (2)(a), (b), (c) & (d).

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