# Certificate of Conformity


**Certification Body:**

CMI CERTIFICATION

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**Certificate Holder:**

PRO9 GLOBAL

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**Certificate number: CM40197 Rev2**

THIS IS TO CERTIFY THAT

## Pro9 Structural Wall System

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

Prefabricated External or Internal Wall System.

**Description of product:**

The Pro9 Structural Wall System comprises of a steel frame housed between ProBoard sheets and filled with solid PIR insulating foam. Refer A2 Below.

**COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S)** **BCA 2022 (Amdt.1)**

| | Volume One | | Volume Two | |
|---|---|---|---|---|
| **Performance Requirement(s):** | F3P1 | Weatherproofing – Subject to *limitation & condition 4* | H2P2 | Weatherproofing – Subject to *limitation & condition 4* |
| | J1P2 | Thermal performance – Refer A3 for R-values. | H6P1 | Thermal performance – Refer A3 for R-values. |
| **Deemed-to-Satisfy Provision(s):** | C2D2(2) | Fire Resistance and Stability –Subject to *limitation and condition 5, 6 & 7* | H3D3 | Construction of external walls – Subject to *limitation and condition 5 & 6* |
| | C2D9(1) | Lightweight construction – Contributes to compliance with S6C11(b),(d) and (e) | H3D4 | Separating walls –Subject to *limitation and condition 5, 6 & 7* |
| | G5D3 | Protection — residential building construction in bushfire prone areas (BAL FZ). Subject to *limitation & conditions 8, 9 & 10* | H7D4 | Construction in bushfire prone areas (BAL FZ) –Subject to Subject to *limitation & conditions 8, 9 & 10* |
| **State or territory variation(s):** | G5D3 (NSW), Part J1 (NSW & NT) | | Part H6 (NSW, NT & TAS), 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 Pro9 Structural Wall system is to be installed in accordance with Pro9 Installation Guide February 2023 Version 2.1 by installers approved by Pro9 Global Limited.
2. Assessment of Structural Adequacy, including fixing details and wind load capacities, is outside the scope of this Certificate of Conformity. Project specific engineering advice is required.
3. In the absence of a site-specific performance solution, this product or system is not suitable for use where the BCA requires the external walls, common walls or internal loadbearing walls and or ancillary elements to be non-combustible, for any class of building.

**Building classification/s:**

Class 1,2,3,5,9b,9c & 10

**Glen Gugliotti – CMI**

**Don Grehan – Unrestricted Building Certifier**

**Date of issue:** 07/08/2025

**Date of expiry:** 20/07/2027

ABCB

JAS-ANZ

4. To satisfy F3P1 & H2P2 via verification, the relevant design is required to meet the criteria of F3V1 and/or H2V2 to the satisfaction of the Appropriate Authority as defined by the NCC. The site specific building must;
   (i) have a risk score of 20 or less, when the sum of all risk factor scores is determined in accordance with Table F3V1a/H2V1a; and
   (ii) not be subjected to an ultimate limit state wind pressure of more than 2.5kPa; and
   (iii) include only windows that comply with AS 2047.
   Compliance with Weatherproofing is limited to the tested specimen, deviations from this specimen, is subject to site specific design and approval by the regulatory authority.
5. Compliance with FRL is dependent on the system components being as specified in A3. Any deviation from the tested specimen does not form part of this certificate of conformity.
6. This system cannot be used where discontinuous construction is required by the NCC.
7. The Pro9 Structural Wall system is suitable for use in BAL 12.5 – BAL FZ. Refer A3.
8. 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.
9. 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.
10. In NSW, the Pro9 Structural Wall System is suitable for use on buildings located in a designated Bushfire-Prone Area:
    (i) For a Class 1 building, a Class 2 building, a Class 3 building, a Class 4 part of a building, or a Class 10a building when constructed in accordance with AS 3959:2018 except as amended by Planning for Bush Fire Protection for BAL–40.
    (ii) For a Class 9 building, that is a special fire protection purpose located in an area subject to a Bushfire Attack Level (BAL) not exceeding BAL–12.5 determined in accordance with AS 3959:2018.
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

**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**

The Pro9 Structural Wall System is a lightweight walling system that is custom designed on a site specific basis, comprising of a steel frame housed between ProBoard sheets (12mm Magnesium Sulphate Cement Boards) and filled with solid PIR insulating foam. The system is internally finished on site with an additional 10mm (minimum) plasterboard lining to the internal side of the wall.

Pro9 Structural Wall Systems are custom manufactured to the specified heights and lengths.

| System | Thickness | Average Weight |
|---|---|---|
| PRO125 | 125mm* | 35kg/m$^2$ |
| PRO125 F45 | 125mm* | 38kg/m$^2$ |
| PRO125 – F60 / F90 | 125mm* | 45kg/m$^2$ |

*Excludes plasterboard lining.

The following adhesives and bonding agents are also associated with the Pro9 Structural Wall System:

- **WURTH STRUCTURAL ADHESIVE BOND + SEAL -** For sealing gaps to prevent water ingress, sealing minor gaps in walls and wall repairs.
- **WURTH PURLOGIC® TOP SINGLE-COMPONENT GUN FOAM** - For filling and insulating large gaps including perimeter sealing.
- **WURTH INJECTABLE MORTAR WIT-PE 1000 -** For structural resin injection to bond the threaded rod tie down to the concrete slab.

| | |
|---|---|
| **PRO125** | The Pro125 wall system consist of a 125mm thick wall with an additional 10mm layer of plasterboard fixed to the internal face of the wall.<br>The structural core construction of the wall panel is made of light gauge steel frame studs and channel track |
| **PRO125 F45** | The Pro125 F45 wall system consists of a 125 mm thick wall with an additional 10 mm layer of plasterboard fixed to the internal face of the wall.<br>The structural core construction of the wall panel is made of 74 mm × 45/65 mm ×2 mm steel studs and channel track |
| **PRO125 F60/F90** | The Pro125 F60 & F90 wall system consists of a 125 mm thick wall with an additional 10 mm layer of plasterboard fixed to the internal face of the wall.<br>The structural core construction of the wall panel is made of 74 mm × 45/65 mm × 3 mm steel studs and channel track |

**A3 Product specification**

**Weatherproofing**

| | |
|---|---|
| **Serviceability** | +1700 Pa and -1700 Pa |
| **Static Water Penetration** | 510Pa - Pass |
| **Cyclic Water Penetration** | 255 - 510 Pa - Pass<br>340 - 680 Pa - Pass<br>510 – 1020 Pa - Pass |

Joints and edges are sealed with WURTH Structural Adhesive Bond + Seal as per the VIPAC Engineering report "30S-17-0120-TRP-639610-3" and the Pro9 Installation Guide February 2023 Version 2.1

***Source:*** *VIPAC Engineering; NATA Accreditation No. 676; Report No. 30S-17-0120-TRP-639610-3; Weatherproofing test; Dated 06/04/2018; VIPAC Engineering; NATA Accreditation No. 676; Report No. 30S-17-0120-GCO-6793928-0; Weatherproofing Report; Dated 16/10/2020; Element Engineering Australia; Weatherproofing Performance Evaluation; Dated 15/04/2018; Element Engineering Australia; Reference No. PR9-001; PRO9 Structural Wall System - Weatherproofing Performance Evaluation; Dated 11/03/2020.*

**Fire Resistance Levels (FRLs)**

The referenced test was conducted in accordance with AS 1530.4:2014 by Jensen Hughes.

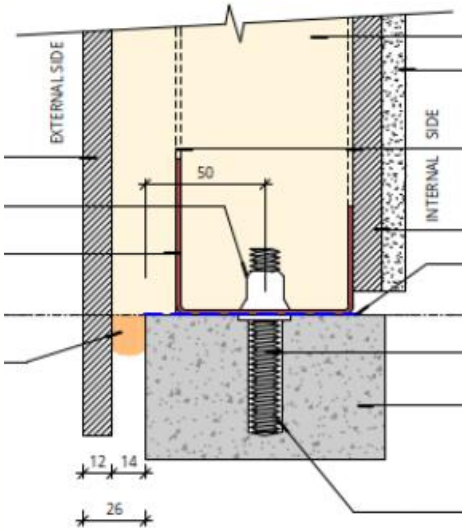
The FRLs of the wall systems are assessed for a fire exposure from either side of the wall – but not simultaneously and achieved the following results –

- **PRO125 F45 – FRL 45/45/45 (External side exposed to fire)**
- **PRO125 F60 – FRL 60/60/60 (Internal side exposed to fire)**
- **PRO125 F90 – FRL 90/90/90 (External side exposed to fire)**

The structural core construction of each panel was made from the following:

- Structural Frame
  - Screwed galvanised steel PRC profiles of dimensions 74 × 46/65 x 2 mm (PRO125 F45)
  - Screwed galvanised steel PRC profiles of dimensions 74 × 46/65 × 3 mm (PRO125 F60 & F90)
- Frame Lining
  - Steel frame lined with 12 mm thick Magnesium sulphate (MgSO4) ProBoards (Nominal density 1050 kg/m$^3$)
- Insulation
  - 101 mm thick B1 PIR insulation (Nominal density 36 kg/m$^3$)
- Additional Internal Lining (PRO125 F60 & F90 panel only)
  - 10 mm plasterboard screwed to the 12mm ProBoard at 300mm nominal centres on the perimeter, and 400mm centres in the field.
- Sealant
  - Where wall panels are joined in an FRL wall Fire Cement 1000 should be applied to seal any gaps.

***Source:*** *Jensen Hughes Fire Testing Pty Ltd, Report No. 20241205-FAS210107 R1.5, Pro9 loadbearing wall systems in accordance with AS 1530.4, Dated 5/12/2024 & Jensen Hughes Fire Testing Pty Ltd, Test Report No. FRT121526 R1.0, Fire resistance test report, Dated 28/02/2025*




**PRO125 F45, F60 & F90**
**(2mm Steel frame for PRO125 F45* and 3mm Steel frame for F60 / F90)**
***Exclude plasterboard for F45**

**Bushfire Attack Level**

The PRO125 F45, F60 & F90 panel is considered to comply with the requirements of AS 3959:2018 for the requirements of external cladding where applicable to BAL 12.5 to BAL FZ as the panels have been tested to AS 1530.4 and achieve a FRL 30/30/30.

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.

***Source:*** *Jensen Hughes Fire Testing Pty Ltd, Report No. 20241205-FAS210107 R1.5, Pro9 loadbearing wall systems in accordance with AS 1530.4, Dated 5/12/2024 & Jensen Hughes Fire Testing Pty Ltd, Test Report No. FRT121526 R1.0, Fire resistance test report, Dated 28/02/2025 & AS 3959:2018 Construction of buildings in bushfire-prone areas.*

**Thermal Performance**

Calculated R values for walls without steel construction.

| Wall Type | R-Values | U-Values (W/m²K) |
|---|---|---|
| **PRO125** | 4.2 | 0.241 |

***Source:*** *Element Engineering Australia; Reference No. PR9-001; Total R-Value Evaluation of PRO85 and PRO125 Walling Systems; Dated 12/02/2018*

**Lightweight Construction**

Surface Indentation:

- The maximum surface indentation value measured was 1.87mm
- Surface Impact – ASTM E695
- The maximum deflection of PRO125 was 20.04mm

***Source:*** *Element Engineering Australia; Report No. EEAT001; Resistance of ProBoard to Surface Indentation; Dated 31/01/2018. Element Engineering Australia; Report No. EEAT002; Resistance of Pro9 Wall to Surface Impact; Dated 23/02/2018.*

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

Pro9 Australia Pty Ltd
25 Bryant Drive, Tuggerah
NSW, Australia

**A5 Installation requirements**

To be designed and installed in accordance with Pro9 Installation Guide February 2023 Version 2.1.

**A6 Other relevant technical data**

**Fire Hazard Properties**

Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release AS/NZS 1530.3-1999 Indices. These values are Limited to the PRO125 wall types from the MgSO4 lining.

| | | |
|---|---|---|
| **Ignitability Index** | 0 | Range 0-20 |
| **Spread of Flame Index** | 0 | Range 0-10 |
| **Heat Evolved Index** | 0 | Range 0-10 |
| **Smoke Index** | 2 | Range 0-10 |

***Source**; AWTA Product Testing; NATA Accreditation No. 1356; Report No. 18-001101; Fire Indices – PRO125 - AS/NZS 1530.3-1999; Dated 14/03/2018.*

## APPENDIX B – EVALUATION STATEMENTS

**B1 Evaluation methods**

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

**B2 Reports**

1. Element Engineering Australia; Job reference number PR9-001; Dated 15/4/2018; Validation of report 17-006049 by AWTA Product Testing; NATA Accreditation No. 1356; Thermal performance testing in accordance with ASTM C518-2010; Dated 01/11/2017. Thermal values to be used for compliance with J1P2 & H6P1
2. Element Engineering Australia; Job reference number PR9-001; Dated 15/4/2018; Validation of report 17-006053 by AWTA Product Testing; NATA Accreditation No. 1356; Thermal performance testing in accordance with ASTM C518-2010; Dated 06/11/2017. Thermal values to be used for compliance with J1P2 & H6P1
3. AWTA Product Testing; NATA Accreditation No. 1356; Report No. 18-001101; Fire Indices – PRO125 testing in accordance with AS/NZS 1530.3-1999; Dated 14/03/2018. Report provides evidence for Fire Hazard properties listed in A6.
4. Element Engineering Australia; Weatherproofing Performance Evaluation of Pro9 Structural Wall System; Dated 15/04/2018. Report provides compliance with F3P1 & H2P2.
5. Element Engineering Australia; Report No. EEAT001; Resistance of ProBoard to Surface Indentation as per Specification C1.8 of the NCC Volume One; Dated 31/01/2018. Report confirms compliance with C2D9(1)
6. Element Engineering Australia; Report No. EEAT002; Resistance of Pro9 Wall to Surface Impact as per Specification C1.8 of the NCC Volume One 2016 Amdt.1; Dated 23/02/2018. Report confirms compliance with C2D9(1)
7. Element Engineering Australia; Report No. 472064-03; Pro9 Structural Wall System: Sound Transmission Class (STC) Appraisal in accordance with AS/NZS ISO 717.1:2004; Dated 15/10/2018. Report provides sound insulation ratings for compliance with F7D3 and H7D8 via Part 10.7.2 of the ABCB Housing Provisions.
8. VIPAC Engineering; NATA Accreditation No. 676; Report No. 30S-17-0120-TRP-639610-3; Weatherproofing test; Dated 06/04/2018. Report provides compliance with F3P1 & H2P2.
9. VIPAC Engineering; NATA Accreditation No. 676; Report No. 30S-17-0120-GCO-6793928-0; Weatherproofing Report; Dated 16/10/2020. Report provides compliance with F3P1 & H2P2.
10. Element Engineering Australia; Reference No. PR9-001; Total R-Value Evaluation of PRO85 and PRO125 Walling Systems; Dated 12/02/2018. Thermal values to be used for compliance with J1P2 & H6P1.
11. Element Engineering Australia; Reference No. PR9-001; PRO9 Structural Wall System - Weatherproofing Performance Evaluation; Dated 11/03/2020. Report evaluates the compliance with F3P1 & H2P2
12. Jensen Hughes Fire Testing Pty Ltd, NATA Accreditation No 3277, Report No. 20241205-FAS210107 R1.5, Pro9 loadbearing wall systems in accordance with AS 1530.4, Dated 5/12/2024 Report provides FRLs for compliance with C2D2(2), C2D9(1), H3D3 & H3D4.
13. Jensen Hughes Fire Testing Pty Ltd, NATA Accreditation No 3277, Test Report No. FRT121526 R1.0, Fire resistance test report, Dated 28/02/2025 Report provides FRLs for compliance with C2D2(2), C2D9(1), H3D3 & H3D4.

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