Certificate of Conformity

Certification Body:

CMI CERTIFICATION
ABN: 81 663 250 815
JASANZ Accreditation No. Z4450210AK
PO Box 273,
Palmwoods Qld 4555
Australia
P: +61 7 5445 2199
www.cmicert.com.au
office@cmicert.com.au

Certificate Holder:

Big River Group
ABN: 72 000 009 754
Trenayr Road,
Junction Hill,
NSW 2460
Australia
Ph: +612 6644 0900
www.bigrivergroup.com.au

Certificate number: CM40433

THIS IS TO CERTIFY THAT

75mm MaxiWall House & Low-Rise Multi Residential Intertenancy Wall System

Type and/or use of product:

Residential Intertenancy Wall System

Description of product:

Intertenancy Wall System that utilises vertically installed steel reinforced Autoclaved Aerated Concrete (AAC) panels and proprietary components for use in discontinuous wall construction. Refer A3

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 to actions
	F7P2	Sound transmission through walls – Contributes to compliance subject to *limitations and condition 7.*	H4P6	Sound Insulation - Contributes to compliance subject to *limitations and condition 7.*
	F7P4	Sound transmission through walls in a residential care building – Contributes to compliance subject to *limitations and condition 7.*		
Deemed-to-Satisfy Provision(s):	C2D2(2)	Fire resistance and Stability – Refer A3 for FRL Systems.	H3D4	Fire protection of separating walls – Refer A3 for FRL Systems.
State or territory variation(s):	Part F7 (NT)		H4P6 (NT)	

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 House & Low-Rise Multi Residential Intertenancy Wall System must be installed in accordance with the MaxiWall Intertenancy Party Wall Installation Guide- PW01 23/10/2025.
2. The structural support members are designed and engineered separately as per project requirements by building designers and engineers.
3. Compliance with FRL is dependent on the system components being as specified in MaxiWall Intertenancy Party Wall Installation Guide- 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. The maximum height of the AAC panel wall system must not exceed 12m.

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: 19/12/2025

Date of expiry: 19/12/2028

4. 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.
5. 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
6. The panels may only be used in wind category N1, N2 and N3.
7. Must be used in conjunction with other building elements to achieve minimum sound insulation ratings. A site specific performance solution is required for sound insulation. Refer to A3 for technical data regarding acoustic performance values.
8. For the purpose of this certificate, discontinuous construction is defined in the BCA as a wall system having a minimum 20 mm cavity between two separate leaves, with is no mechanical linkage between leaves except at the periphery.
9. Any party wall with overhang, extra cantilever must be examined by structural engineers engaged by others, not part of this assessment, to ensure that the wall is adequately supported and that there is no additional load that would introduce deflections at various locations that could have a detrimental impact on the structural adequacy of the wall when exposed to fire on either side.
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.

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

MaxiWall Panel Physical Properties					
Thickness:	75mm				
Standard Width:	600mm				
Standard Length:	2400mm to 3300mm				
Reinforcement:	4 x 5mm longitudinal and transverse bars				
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 House & Low-Rise Multi Residential Intertenancy Wall System	
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.
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	14-10X65mm Type 17 Hex head screw or Bugle head. (Maxiwall Panel Connection)
	12 – 11x35mm Type 17 Hex head screws. (Partywall Clip Connection) Timber Studs.
	10 – 16x16mm Tek screw Hex head screw. (Partywall Clip Connection) Steel Studs.

A3 Product specification

Structural [B1P1(1),(2)(a),(b),(c) & (d) & H1P1(1),(2)(a),(b),(c) & (d)]

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; AS1170.0:2002 (Amendment 5), AS1170.1:2002 (Amendment 2), AS1170.2:2021 (Amendment 2 2024), AS1170.4:2024, AS4055:2021 (Amendment 1 2024), AS5146.2:2018, AS5216:2021.

Source: *PACE Structural, Report PS25151 dated 10/12/2025.*

Fire resistance Level [C2D2(2) & H3D4]

The Fire Resistance Level of 75mm MaxiWall has been assessed by IGNIS Labs Pty Ltd for use as an Intertenancy wall application. Construction must be in accordance with System Details prescribed in MaxiWall Intertenancy Party Wall Installation Guide- PW01 23/10/2025. The maximum height of the 75mm AAC Panel wall system is set to 12m based on structural framing requirements. The structural support members are designed and engineered separately as per project requirements by building designers and engineers.

MAXI WALL PARTY WALL FIRE RESISTANCE LEVEL (FRL) FROM BOTH DIRECTIONS

System	Components	FRL
Maxi Wall Party Wall System 1	- 10 mm Standard Plasterboard - Min 70 mm deep timber or min 76 mm deep steel stud wall framing. - R2.0 insulation battens - 75 mm Maxi Wall AAC panels	60/60/60
Maxi Wall Party Wall System 2	- 13 mm Fyrchek Plasterboard - Min 70 mm deep timber or min 76 mm deep steel stud wall framing. - R2.0 insulation battens - 75 mm Maxi Wall AAC panels	60/60/60
Maxi Wall Party Wall System 3	- 2 layers of 13 mm Fyrchek Plasterboard - Min 70 mm deep timber or min 76 mm deep steel stud wall framing. - R2.0 insulation battens - 75 mm Maxi Wall AAC panels	90/90/90
Maxi Wall Party Wall System 4	- 2 layers of 16 mm Fyrchek Plasterboard - Min 70 mm deep timber or min 76 mm deep steel stud wall framing. - R2.0 insulation battens - 75 mm Maxi Wall AAC panels	120/120/120

Source: *IGNIS Labs Pty Ltd; Report No. IGNE-25025-01R I01R00, Fire Assessment Report dated 20/06/2025.*

Acoustic Performance [F7P2. F7P4 & H4P6]

Wall Thickness Stud Depth(mm)		Rw/Rw + Ctr Stud Depth(mm)		Cavity Insulation	Wall Linning
70mm	90mm	70mm	90mm		
275	315	42/34	44/35	Nil – both cavities	1 x 10mm GYPROCK plasterboard
		61/51	63/54	90mm Bradford Gold Batt R2.0 – both cavities	
		61/51	61/51	MAB14/50 (for 70mm) & MAB14/75 (for 90mm)- both cavities	
281	321	43/34	45/36	Nil – both cavities	1 x 13mm GYPROCK plasterboard
		64/52	67/55	90mm Bradford Gold Batt R2.0 – both cavities	
		64/51	65/52	MAB14/50 (for 70mm) & MAB14/75 (for 90mm)- both cavities	
281	321	44/35	45/36	Nil – both cavities	1 x 13mm GYPROCK SOUNDCHEK
		67/55	70/58	90mm Bradford Gold Batt R2.0 – both cavities	
		67/52	68/55	MAB14/50 (for 70mm) & MAB14/75 (for 90mm)- both cavities	
275	315	42/33	44/36	Nil – both cavities	1 x 10mm GYPROCK AQUACHEK 7.1 kg/m³ (Reduced Density)
		63/51	67/56	90mm Bradford Gold Batt R2.0 – both cavities	
		63/50	65/53	MAB14/50 (for 70mm) & MAB14/75 (for 90mm)- both cavities	
273	313	44/35	45/36	Nil – both cavities	1 x 9mm CEMINTEL fibre cement sheet
		67/55	70/58	90mm Bradford Gold Batt R2.0 – both cavities	
		67/54	68/55	MAB14/50 (for 70mm) & MAB14/75 (for 90mm)- both cavities	

NOTE: The acoustic performance opinions presented in the above table are made on the following basis:

- 20mm separation between the frame and the AAC Panel.
- Stud spacing of 600mm.
- The caulking compound shall be flexible and 100% polyurethane.
- The acoustic performance presented in Table 1 cannot be guaranteed when acrylic or part polyurethane sealants are used on the wall system.
- Good quality installation practices including the sealing of all junctions and joints and maintaining specified clearances.
- The systems are installed with all junctions acoustically sealed so that negligible sound transmission occurs at these points.
- All services penetrations and the like are acoustically sealed and treated so that negligible sound transmission occurs through these points.
- The opinions are only valid for the thickness and densities of insulation.
- Flanking paths are eliminated and the structures into which the systems are installed can allow the nominated rating to be achieve

Source: *Acoustic Logic Consultancy Report 20250249.1/3103A/R0/TB dated 31/03/2025.*

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 MaxiWall Intertenancy Party Wall Installation Guide- PW01 23/10/2025.

A6 Other relevant technical data

No other relevant technical data.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Acoustic Provisions A5G3(1)(e). A certificate or report from a professional engineer or other appropriately qualified person.
2. Structural Provisions A5G3(1)(e). Reports from a professional engineer.
3. Fire Safety Provisions A5G3(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.

B2 Reports

1. Acoustic Logic; Report Number 20250249.1/3103A/R0/TB; Wall System Acoustic Review; Dated 31/03/2025. Opinion provides values for determining the sound transmission through walls as per BCA F7P2, F7P4 & H4P6 compliance
2. PACE Structural Pty Ltd; File No. PS18158; Structural Design Certificate; Dated 20/03/2025. Certificate provides confirmation of compliance of the design capacity calculations Hebel® PowerPanelXL Intertenancy Walls with BCA requirements of B1P1(1),(2)(a), (b),(c) & (d) & H1P1(1),(2)(a), (b),(c) & (d)
3. Ignis Labs Pty Ltd; NATA Accreditation No. 20534; Report No. IGNE-25025-01R I01R00; Big River MaxiWall Fire Assessment Report – AS 1530.4-2014; Dated 20/06/2025. Reports provides FRLs achieved by the systems outlined in the report that confirms compliance with C2D2(2) & 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.