Certificate of Conformity

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Certificate number: CM40467 Rev1

THIS IS TO CERTIFY THAT

Hardie™ Gravis™ Panel External & Zero Lot Walls

Type and/or use of product:

External wall cladding

Description of product:

The Hardie™ Gravis™ Panel External & Zero Lot Walls are an external wall system that comprises of 50mm or 75mm autoclaved aerated concrete (AAC) panels and proprietary components vertically installed across horizontal top hats with top hats fixed to steel or timber stud framing. Refer A2 for details.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) **BCA 2022 (Amdt. 2) & 2025**

	Volume One		Volume Two	
Performance Requirement(s):	F1P1	Water Management – Subject to *limitation and condition 2* **(BCA 2025)**	H1P1(2)(c)	Structural reliability and resistance – Resistance to wind action in N4/C2. **(BCA 2022)**
	F3P1	Weatherproofing – Subject to *limitation and condition 2* **(BCA 2022)**	H1P1(3)(c)	Structural reliability and resistance – Resistance to wind action in N4/C2. **(BCA 2025)**
	F8P1	Condensation Management – Subject to *limitation and condition 6.* Refer A3. **(BCA 2022 & 2025)**	H2P2	Weatherproofing – Subject to *limitation and condition 2* **(BCA 2022 & 2025)**
			H4P7	Condensation Management – Subject to *limitation and condition 6.* Refer A3. **(BCA 2022 & 2025)**
Deemed-to-Satisfy Provision(s):	B1D3(c)	Structure – Resistance to wind action in N4/C2. **(BCA 2022 & 2025)**	H1D7(4)(a)	Structure – Roof and wall cladding **(BCA 2022 & 2025)**
	B1D4(b)(ii)	Structure – Determination of structural resistance of materials and forms of construction **(BCA 2022 & 2025)**	H3D3	Fire separation of external walls - Subject to *limitation and Condition 5*. Refer A3 for FRLs. **(BCA 2022 & 2025)**
	C2D2(2)	Fire Resistance and Stability – Subject to *limitation and Condition 5*. Refer A3 for FRLs. **(BCA 2022 & 2025)**	H3D2	Non-combustible building elements – Limited to the AAC Panel Only - Refer A3. **(BCA 2022 & 2025)**
	C2D10(5)(e)	Non-combustible building elements – Limited to the AAC Panel Only - Refer A3. **(BCA 2022 & 2025)**	H6D2 (1)(b)(ii)	Energy Efficiency – External Walls. Must be used in conjunction with other building elements to achieve a Total R Value. **(BCA 2022 & 2025)**
	G5D3	Construction in bushfire prone areas – Subject to *limitation and condition 7.* **(BCA 2022 & 2025)**	H7D4	Construction in bushfire prone areas – Subject to *limitation and condition 7.* **(BCA 2022 & 2025)**
	J3D8	External walls of a Class 4 part of a building **(BCA 2025).** **Note: For Class 2 buildings, Section J of NCC 2025 is replaced with Section J of NCC 2022 Amendment 2**		

Glen Gugliotti – CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 01/06/2026

Date of expiry: 23/03/2029

	J3D8	External walls of a sole-occupancy unit of a Class 2 building or a Class 4 part of a building **(BCA 2022)**
	J3D9	Wall-glazing construction of a Class 4 part of a building **(BCA 2025). Note: For Class 2 buildings, Section J of NCC 2025 is replaced with Section J of NCC 2022 Amendment 2**
	J3D9	Wall-glazing construction of a sole-occupancy unit of a Class 2 building or a Class 4 part of a building **(BCA 2022)**
	J4D6	Energy Efficiency – External Walls. Must be used in conjunction with other building elements to achieve a Total R Value. **(BCA 2022 & 2025)**
State or territory variation(s):	**BCA 2022:** B1D4 (NT, QLD & WA), C2D2 (SA), G5D3 (NSW), Part J3(NT, TAS), J3D8 (NSW), J3D9 (NSW) & J4D6 (NSW) **BCA 2025:** B1D4 (NT & QLD), C2D2 (SA), G5D3 (NSW), Part J3(NSW, NT & TAS),	**BCA 2022:** H1D7 (WA), H4D9 (TAS), H7D4(NSW), H7D4(3) (QLD & SA), PART H6 (NSW, NT, TAS) & H6D2(1)(b)(ii) (VIC) **BCA 2025:** H4D9 (NSW & TAS), H7D4(NSW), H7D4(3) (QLD & SA), PART H6 (NSW, NT, TAS) & H6D2(1)(b)(ii) (VIC)

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

Limitations and conditions:

Building classification/s:

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

1. Construction shall be in strict accordance with the Hardie™ Gravis™ Panel External & Zero Lot Walls Installation Guide Australia June 2026.

2. Weatherproofing performance requires:
   a. Design and construction in non-cyclonic wind regions where ULS wind pressures of up to ±2.27 kPa and SLS wind pressures of up to ±1.515 kPa apply
   b. Flexible Wall Wrap or Rigid Air Barriers present an Air & Water barrier for the purposes of weatherproofing (other than for zero boundary walls which are closed off to the weather, where wall wrap may be omitted), and
   c. Design permits deflection movements due to all design loads & temperature variations, and
   d. The external wall:
      i. Has a risk score of 20 or less, when the sum of all risk factors are determined in accordance with BCA 2022 Volume 1 table F3V1a or BCA 2022 and 2025 Volume 2 table H2V1a or BCA 2025 Volume 1 table F1V1a.
      ii. Includes only windows that comply with AS 2047.
      iii. The external wall frame / substrate is designed to sustain Serviceability Limit State design considerations allowing for a Deflection Limit of L/250.
      iv. The external wall frame / substrate is designed to sustain Ultimate Limit State design considerations without collapse.
   e. The Hardie™ Gravis™ Panel External & Zero Lot Walls systems present a Weatherproof external wall system without application of a render and finishing coat system when all other aspects of the installation instructions are adhered to. Where Render and Finishing Coat System are installed, installation must be in accordance with the manufacturers specifications.

3. In all cases, it is a requirement that the Hardie™ Gravis™ Panel External & Zero Lot Walls incorporates either;
   a. A timber frame constructed in accordance with AS 1684-2010 series; or
   b. NASH Standard for Residential and Low-rise Steel Framing, Part 1: Design Criteria

   The structural support members are designed and engineered separately as per project requirements by building designers and engineers.

4. The Hardie™ Gravis™ Panel External & Zero Lot Walls has not been tested and certified for impact loading from windborne debris in Region C and D as denoted in AS 1170.2:2021. The building designer should take into consideration internal pressure resulting from dominant openings.

5. Compliance with FRL is dependent on the system as specified in A3 being installed in accordance with the Hardie™ Gravis™ Panel External & Zero Lot Walls Installation Guide Australia June 2026. Any deviation does not form part of this certificate of conformity.

6. Compliance with F8P1 and H4P7 has been verified via Verification Method F8V1 and H4V5 where the mould index of Hardie™ Gravis™ Panel External & Zero Lot Walls of greater than 3 as defined by Section 6 of AIRAH DA07 does not occur.

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.

8. 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

The Hardie™ Gravis™ Panel External & Zero Lot Walls are an external wall system that comprises of 50mm or 75mm autoclaved aerated concrete (AAC) panels and proprietary components vertically installed across horizontal top hats with top hats fixed to steel or timber stud framing.

	Property			Value		Property			Value	
Material Properties AAC Panel	Panel Thickness	d	(mm)	50	75	Panel Thickness	d	(mm)	50	75
	Panel Width	w	(mm)	600	600					
	Panel Length (max.)	L	(mm)	3000	3300					
						Characteristic AAC Compressive Strength	f_{ck}	(MPa)	3.27	2.39
	Dry Density		(kg/m³)	485	425	AAC Characteristic Flexural Strength	f_{cflk}	(MPa)	0.589 (calculated)	0.719 (as tested)
	AAC Working Density (At 15% moisture content)		(kg/m³)	558	489	Elastic Modulus of AAC		(MPa)	927 (calculated)	344 (as tested)
	Mass per Square metre (At 15% moisture content)		(kg/m²)	27.9	36.7	Design Serviceability Limit State Deflection Limit			L/250	L/250

System Components

Product	Description
Hardie™ Gravis™ Panel	Hardie™ Gravis™ Panels are manufactured from Autoclaved Aerated Concrete (AAC), internally reinforced with a corrosion-protected steel mesh.

Length (mm)	Width (mm)	Thickness (mm)	Weight per unit (kg/m³)*	Weight per meter (kg/m²)*	Product Code
2200	600	50	45	34	900001
2400	600	50	50	34	900002
2550	600	50	53	34	900003
2700	600	50	56	34	900004
2850	600	50	59	34	900005
3000	600	50	62	34	900006
2200	600	75	55	42	900007
2400	600	75	61	42	900008
2550	600	75	64	42	900009
2700	600	75	68	42	900010
2850	600	75	72	42	900011
3000	600	75	76	42	900012
3300	600	75	83	42	900013

* Panel weights are based on 35% moisture content at time of handling/install

Product	Description
Hardie™ Gravis™ Top Hat	Hardie™ Gravis™ Top Hat in nominal widths of 24mm and 35mm. They have been designed and constructed in accordance with AS 3623 Domestic metal framing and AS/NZS 4600 Cold-formed steel structures.

Length (mm)	Width (mm)	Flange Height (mm)	BMT (mm)	Steel Grade	Product Code
4800	80	24	0.42	G550	700005
4800	80	35	0.42	G550	700006

Hardie™ Wrap Weather Barrier	Hardie™ Wrap Weather Barrier is a water barrier and vapour permeable membrane. Unit size: 2.75 x 30m. Coverage: 82.5m² per roll. **Product Code 3056640**
Hardie™ Joint Sealant	Hardie™ Joint Sealant is a general purpose polyurethane exterior grade joint sealant. Pack Size: 20/Box. Coverage: 1.0m/100ml (10mm control joint). 300ml Cartridge - **Product Code 305534** 600ml Sausage - **Product Code 305672**
Hardie™ Gravis™ Adhesive 20kg	Hardie™ Gravis™ Adhesive is an off-white cement based adhesive which has been specifically formulated for bonding Hardie™ Gravis™ Panels together at vertical and horizontal joints. Hardie™ Gravis™ Adhesive can also be used as a patching compound. Pack size 20kg **Product Code 700001**
Hardie™ Gravis™ Anti-Corrosion Sealer 0.5L	Hardie™ Gravis™ Anti-Corrosion Sealer is used to protect the exposed ends of reinforcement exposed during panel cutting. Pack size 0.5L. **Product Code 700003**
Hardie™ Gravis™ Base Sealer 5L	Hardie™ Gravis™ Base Sealer is used to seal the base of Gravis panels that may come in contact with soil. Pack size 5L. **Product Code 700004**
Hardie™ Gravis™ Patch 10kg	Hardie™ Gravis™ Patch is used for repairing minor chips or damage to Gravis panels. Pack size 10kg. **Product Code 700002**
Hardie™ Gravis ™ Panel Mortar 20kg	Hardie™ Gravis ™ Panel Mortar is applied as a levelling mortar bed for accurate and secure placement of the first course of Hardie™ Gravis™ Panels. Pack size 20kg. **Product Code 700011**
Hardie™ Internal Lining	Hardie™ internal lining or selected exterior cladding products can be used on the internal side of the wall. Please note, if requiring to achieve certain Fire Resistance Level (FRL), certain minimum requirements will be applicable. Refer to the FRL Systems.

Components not supplied by James Hardie

Product	Description
ACC Screws	External fix - 14-10 Bugle Head or Hex head Type 17 Class 3 - 4. Screw shall be 15mm longer than the panel thickness (65mm & 90mm fasteners) Internal Fix - 14-10 Hex head type 17 Class 3-4. Screw shall be 15mm shorter than the panel thickness (35mm & 60mm Fasteners).
Base and Top Coat	The basecoat must be a polymer modified Portland cement-based render with an applied thickness of 2-6mm. Refer to the product manufacturer for product specification, application instructions, surface preparation requirements and primer coat (if required).
Mounting Clip	Used on Hardie™ Gravis™ Zero Boundary Wall applications, these fixings are used to attach 24 mm or 35 mm top hat sections to the structural stud frame, ensuring correct alignment and support for the wall system.
Foam Backing Rod	A 10mm diameter backing rod is to be fixed into vertical control joints.
Insulation	Wall insulation must be included between each stud to achieve the required R-Value, acoustic performance and Fire Resistance Level (FRL) when required. Refer to the systems descriptions of Page 7 and 8 of installation guide for further information.
Finishing	The wall can be finished using the following coating systems: • Texture Coat: A minimum 1mm thick cement-based, polymer-enhanced texture coating supplied as dry powder or pre-mixed to the desired textured finished. • Finishing Coat: Minimum two coats of a decorative acrylic based exterior grade elastomeric finishing paint. The product must meet the durability, performance and crack bridging properties required for the intended application.
DPC	A DPC (Damp Proof Course) must be installed at the base of the wall to prevent moisture from rising from the ground via capillary action.

Product	Description
Sealant or Fire Rated Sealant	Regular sealant or fire-rated sealants are required to seal gaps and joints. Fire-rated sealants are engineered and tested to prevent the spread of fire and smoke through these gaps and joints, while regular sealants do not offer this protection.
Non-Compressible Packer	A Non-Compressible Packer to be installed at horizontal joints between panels. Refer to the systems descriptions of Page 10 of the installation guide for further information.

A3 Product specification

Structural provisions
(B1D3(c), B1D4(b)(ii) & H1D7(4)(a))
[BCA 2022 & 2025]
(H1P1(3)(c))
[BCA 2025]
(H1P1(2)(c))
[BCA 2022]

The Hardie™ Gravis™ Panel External & Zero Lot Walls have been assessed and deemed to comply with AS 5146.1:2015 & AS 5146.3:2018 for Autoclaved aerated concrete.

For BCA 2025, Gravis™ Panel complies with the Structural Provisions of B1D4(b)(ii) and H1D7(4)(a) for autoclaved aerated concrete wall cladding. The fixing requirements prescribed in Hardie™ Gravis™ Panel External & Zero Lot Walls Installation Guide Australia June 2026 for wind classification N4/C2 have been assessed to comply with B1D3(c) & H1P1(3)(c).

For BCA 2022 (Amdt. 2), Gravis™ Panel complies with the Structural Provisions of B1D4(b)(ii) and H1D7(4)(a) for autoclaved aerated concrete wall cladding. The fixing requirements prescribed in Hardie™ Gravis™ Panel External & Zero Lot Walls Installation Guide Australia June 2026 for wind classification N4/C2 have been assessed to comply with B1D3(c) & H1P1(2)(c).

The design and installation of Hardie™ Gravis™ Panel External & Zero Lot Walls must be in accordance with the Design Considerations and Installation Requirements prescribed in Hardie™ Gravis™ Panel External & Zero Lot Walls Installation Guide Australia June 2026.

Source: *Clarkson Consulting Pty Ltd 2022-2025 Compliance Report dated 26/05/2026 and Structural Assessment of Hardie™ Gravis™ – 50mm & 75mm External Wall Cladding Systems dated 18/03/2026*

Weatherproofing
(F1P1)
[BCA 2025]
(F3P1)
[BCA 2022]
(H2P2)
[BCA 2022 & 2025]

Weatherproofing Performance requirements of the Hardie™ Gravis™ Panel External & Zero Lot Walls systems have been assessed and deemed to comply with the following performance requirements of the BCA:

- F3P1 of BCA 2022 Volume 1, and
- F1P1 of BCA 2025 Volume 1, and
- H2P2 of BCA 2022 and 2025 Volume 2.

The Weatherproofing performance of the Hardie™ Gravis™ Panel External & Zero Lot Walls requires:

1. Design and construction in non-cyclonic wind regions where ULS wind pressures of up to ±2.27 kPa and SLS wind pressures of up to ±1.515 kPa apply
2. Flexible Wall Wrap or Rigid Air Barriers present an Air & Water barrier for the purposes of weatherproofing (other than for zero boundary walls which are closed off to the weather, where wall wrap may be omitted), and
3. Design permits deflection movements due to all design loads & temperature variations, and
4. The external wall:
    a. Has a risk score of 20 or less, when the sum of all risk factors are determined in accordance with BCA 2022 Volume 1 table F3V1a or BCA 2022 and 2025 Volume 2 table H2V1a or BCA 2025 Volume 1 table F1V1a.
    b. Includes only windows that comply with AS 2047.
    c. The external wall frame / substrate is designed to sustain Serviceability Limit State design considerations allowing for a Deflection Limit of L/250.
    d. The external wall frame / substrate is designed to sustain Ultimate Limit State design considerations without collapse
5. The Hardie™ Gravis™ Panel External & Zero Lot Walls systems present a Weatherproof external wall system without application of a render and finishing coat system when all other aspects of the installation instructions are adhered to. Where Render and Finishing Coat System are installed, installation must be in accordance with the manufacturers specifications.

Source: *Clarkson Consulting Pty Ltd 2022-2025 Compliance Report dated 26/05/2026 and Weatherproofing Assessment of Hardie™ Gravis™ – 50mm & 75mm External Wall Cladding Systems dated 13/04/2026.*

Fire resistance Level
(C2D2(2) & H3D3)
[BCA 2022 & 2025]

Hardie™ Gravis™ Panels Fire Resistance Level (FRL)

Hardie™ Gravis™ Panel Thickness	Wall Internal Lining	FRL (from outside)
50mm	Min. 6mm Hardie™ Fibre Cement	90/90/90
	10mm Standard Plasterboard	90/90/90
	13mm Fre Rated Plasterboard	120/120/120
75mm	Min. 6mm Hardie™ Fibre Cement	90/90/90
	10mm Standard Plasterboard	90/90/90
	13mm Fre Rated Plasterboard	120/120/120
	2 x 16mm Fire Rated Plasterboard	-/180/180

Source: ***Clarkson Consulting Pty Ltd 2022-2025 Compliance Report dated 26/05/2026 and Ignis Labs Pty Ltd Reports IGNL-9429-04-01R I01 R00 dated 04/02/2026 and IGNL-260041-01R I01 R01 dated 19/03/2026.***

Non-combustible
(C2D10(5)(e) & H3D2)
[BCA 2022 & 2025]

The Hardie™ Gravis™ Panel External & Zero Lot Walls comprises of 50mm or 75mm autoclaved aerated concrete (AAC) panels that have been assessed and deemed to comply with AS 5146.1:2015 & AS 5146.3:2018 for Autoclaved aerated concrete which meets the requirements of C2D10(5)(e) and may be used wherever a non-combustible material is required. Testing to AS 1530.1:1994 has also been conducted and the Hardie™ Gravis™ AAC Panels are NOT deemed COMBUSTIBLE according to the test criteria specified in Clause 3.4 of AS 1530.1:1994. Compliance with C2D10(5)(e) & H3D2 is limited to the 50mm and 75mm Hardie™ Gravis™ AAC Panels only.

Source: *Clarkson Consulting Pty Ltd 2022-2025 Compliance Report dated 26/05/2026 and Ignis Labs Pty Ltd Certificate No. IGNL-9622-01-01C I01 R00 issued 04/02/2026*

Bushfire Protection
(G5D3 & H7D4)
[BCA 2022 & 2025]

The Hardie™ Gravis™ Panel External & Zero Lot Walls systems, having an FRL of at least 90/90/90, meet the criteria of Clause 9.4.1 (c) of AS 3959 and as such is suitable for use within BAL-FZ applications.

All joints in the external surface material of walls are required to be covered, sealed, overlapped, backed, or butt-jointed. It is deemed that the AAC adhesive joints used within the tested system to seal the joints between the Gravis AAC panels meets this requirement.

Source: *Clarkson Consulting Pty Ltd 2022-2025 Compliance Report dated 26/05/2026 and Ignis Labs Pty Ltd Report IGNL-260041-01R I01 R01 dated 19/03/2026*

Condensation Management
(F8P1 & H4P7)
[BCA 2022 & 2025]

Compliance with F8P1 & H4P7 *Condensation and water vapour management* has been confirmed via verification method F8V1 and H4V5. Hardie™ Gravis™ Panel External & Zero Lot Walls have been assessed and determined that a mould index of greater than 3 will not occur.

Source: *Clarkson Consulting Pty Ltd 2022-2025 Compliance Report dated 26/05/2026 and Betterbuilding reference 0278(01) dated 08/05/2026*

Energy Efficiency (J3D8, J3D9, J4D6 & H6D2)
[BCA 2022 & 2025]

Hardie™ Gravis™ Panel Wall 50

System	Frame				Total Wall R-value (M^2.K/W)		System	Frame				Total Wall R-value (M^2.K/W)	
	Material	Stud Depth	Top Hat Depth	Insulation	Winter	Summer		Material	Stud Depth	Top Hat Depth	Insulation	Winter	Summer
JH-B01	Timber	70mm	24mm	R1.5	2.22	2.21	JH-B13	Steel	64mm	24mm	R1.5	2.19	2.18
JH-B02				R2.0	2.67	2.66	JH-B14				R2.0	2.64	2.63
JH-B03	Timber	70mm	35mm	R1.5	2.22	2.21	JH-B15	Steel	64mm	35mm	R1.5	2.19	2.18
JH-B04				R2.0	2.67	2.66	JH-B16				R2.0	2.64	2.63
JH-B05	Timber	90mm	24mm	R1.5	2.21	2.2	JH-B17	Steel	92mm	24mm	R1.5	2.16	2.15
JH-B06				R2.0	2.64	2.63	JH-B18				R2.0	2.59	2.58
JH-B07				R2.5	3.07	3.06	JH-B19				R2.5	3.02	3.01
JH-B08				R2.7	3.24	3.23	JH-B20				R2.7	3.19	3.18
JH-B09	Timber	90mm	35mm	R1.5	2.21	2.2	JH-B21	Steel	92mm	35mm	R1.5	2.16	2.15
JH-B10				R2.0	2.64	2.63	JH-B22				R2.0	2.59	2.58
JH-B11				R2.5	3.07	3.06	JH-B23				R2.5	3.02	3.01
JH-B12				R2.7	3.24	3.23	JH-B24				R2.7	3.19	3.18

Notes:

- All steel frames require minimum 0.55bmt.
- On all systems, 10mm standard plasterboard is considered as internal lining, with a minimum density of 5.7kg/m^2.
  - If using 6mm Hardie™ Fibre Cement, subtract R0.029 out of the total wall R-Values.
  - If using 6mm Hardie™ Fibre Cement in wet areas with mortar and ceramic tiles, no change to total wall R-values.
- All systems use top hats spaced at 900mm centres.
- All systems include Hardie™ Wrap Weather Barrier.
- All systems consider a stud spacing at 450mm centres.
- All wall insulation must have a minimum density [kg/m^3] of:
  - 70mm R1.5 – 16 kg/m^3
  - 70mm R2.0 – 24 kg/m^3
  - 90mm R2.5 – 24 kg/m^3
  - 90mm R2.7 – 32 kg/m^3

Source: *Clarkson Consulting Pty Ltd Report Reference 260318 dated 19/06/2026 and 50mm & 75mm Thermal Insulation Assessment dated 05/03/2026.*

Energy Efficiency
(J4D6 & H6D2)
[BCA 2022 & 2025]

Hardie™ Gravis™ Panel Wall 75

System	Frame				Total Wall R-value (M².K/W)		System	Frame				Total Wall R-value (M².K/W)	
	Material	Stud Depth	Top Hat Depth	Insulation	Winter	Summer		Material	Stud Depth	Top Hat Depth	Insulation	Winter	Summer
JH-B25	Timber	70mm	24mm	R1.5	2.52	2.51	JH-B37	Steel	64mm	24mm	R1.5	2.5	2.49
JH-B26				R2.0	2.97	2.96	JH-B38				R2.0	2.94	2.93
JH-B27	Timber	70mm	35mm	R1.5	2.52	2.51	JH-B39	Steel	64mm	35mm	R1.5	2.5	2.49
JH-B28				R2.0	2.97	2.96	JH-B40				R2.0	2.94	2.93
JH-B29	Timber	90mm	24mm	R1.5	2.52	2.51	JH-B41	Steel	92mm	24mm	R1.5	2.46	2.45
JH-B30				R2.0	2.95	2.94	JH-B42				R2.0	2.89	2.88
JH-B31				R2.5	3.38	3.37	JH-B43				R2.5	3.32	3.31
JH-B32				R2.7	3.55	3.54	JH-B44				R2.7	3.49	3.48
JH-B33	Timber	90mm	35mm	R1.5	2.52	2.51	JH-B45	Steel	92mm	35mm	R1.5	2.46	2.45
JH-B34				R2.0	2.95	2.94	JH-B46				R2.0	2.89	2.88
JH-B35				R2.5	3.38	3.37	JH-B47				R2.5	3.32	3.31
JH-B36				R2.7	3.55	3.54	JH-B48				R2.7	3.49	3.48

Notes:

- All steel frames require minimum 0.55bmt.
- On all systems, 10mm standard plasterboard is considered as internal lining, with a minimum density of 5.7kg/m².
  - If using 6mm Hardie™ Fibre Cement, subtract R0.029 out of the total wall R-Values.
  - If using 6mm Hardie™ Fibre Cement in wet areas with mortar and ceramic tiles, no change to total wall R-values.
- All systems use top hats spaced at 900mm centres.
- All systems include Hardie™ Wrap Weather Barrier.
- All systems consider a stud spacing at 450mm centres.
- All wall insulation must have a minimum density [kg/m³] of:
  - 70mm R1.5 – 16 kg/m³
  - 70mm R2.0 – 24 kg/m³
  - 90mm R2.5 – 24 kg/m³
  - 90mm R2.7 – 32 kg/m³

Source: *Clarkson Consulting Pty Ltd Report Reference 260318 dated 19/06/2026 and 50mm & 75mm Thermal Insulation Assessment dated 05/03/2026.*

A4 Manufacturer and manufacturing plant(s)

This field is optional. Contact Certificate Holder for details.

A5 Installation requirements

Hardie™ Gravis™ Panel Facade & Boundary Walls must only to be installed in accordance with the Hardie™ Gravis™ Panel External & Zero Lot Walls Installation Guide Australia June 2026.

A6 Other relevant technical data

Acoustic Performance

Hardie™ Gravis™ Panel Wall 50				Hardie™ Gravis™ Panel Wall 75			
System	Acoustic (R_w/R_w+C_{tr})	System	Acoustic (R_w/R_w+C_{tr})	System	Acoustic (R_w/R_w+C_{tr})	System	Acoustic (R_w/R_w+C_{tr})
JH-B01	49/39	JH-B13	48/38	JH-B25	50/40	JH-B37	50/41
JH-B02	49/39	JH-B14	48/38	JH-B26	50/40	JH-B38	50/41
JH-B03	48/38	JH-B15	47/37	JH-B27	49/39	JH-B39	50/41
JH-B04	48/38	JH-B16	47/37	JH-B28	49/39	JH-B40	50/41
JH-B05	50/40	JH-B17	51/41	JH-B29	52/42	JH-B41	52/42
JH-B06	50/40	JH-B18	51/41	JH-B30	52/42	JH-B42	52/42
JH-B07	50/40	JH-B19	51/41	JH-B31	52/42	JH-B43	52/42
JH-B08	50/40	JH-B20	51/41	JH-B32	52/42	JH-B44	52/42
JH-B09	50/39	JH-B21	50/39	JH-B33	51/41	JH-B45	51/41
JH-B10	50/39	JH-B22	50/39	JH-B34	51/41	JH-B46	51/41
JH-B11	50/39	JH-B23	50/39	JH-B35	51/41	JH-B47	51/41
JH-B12	50/39	JH-B24	50/39	JH-B36	51/41	JH-B48	51/41

Refer the Hardie™ Gravis™ Panel External & Zero Lot Walls Installation Guide Australia June 2026 or contact the Certificate Holder.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Condensation Management Provision A5G3(1)(e). Reports from a professional engineer.
2. Energy Efficiency Provisions A5G3(1)(e)&(f). Reports from a professional engineer and documentary evidence (Installation Guide).
3. Fire Safety Provisions A5G3(1)(d), (e)&(f). Reports from Accredited Testing Laboratories, a professional engineer and documentary evidence (Installation Guide).
4. Structural Provisions A5G3(1)(e)&(f). Reports from a professional engineer and documentary evidence (Installation Guide).
5. Weatherproofing Provision A5G3(1)(e). Reports from a professional engineer.

B2 Reports

1. Ignis Labs Pty Ltd; Certificate No. IGNL-9622-01-01C I01 R00; Testing in accordance with AS 1530.1:1994 Combustibility test for materials; Issued 04/02/2026. Report confirms AAC panels are NOT deemed COMBUSTIBLE according to the test criteria specified in Clause 3.4 of AS 1530.1:1994 **[BCA 2022 & 2025]**.
2. Clarkson Consulting Services Pty Ltd; Report Ref. 260318; Gravis External Wall Systems – NCC/BCA 2022 & 2025 Compliance; Dated 26/05/2026. Report reviews testing evidence and confirms that Hardie™ Gravis™ Panel External & Zero Lot Walls comply with the following:
   BCA 2022 Volume 1 clauses; B1D4 (b)(ii), C2D2 (2), C2D10 (5)(e), F3P1, F8P1, G5D3, J3D8, J3D9 and J4D6; and
   BCA 2025 Volume 1 clauses; B1D4 (b)(ii), C2D2 (2), C2D10 (5)(e), F1P1, F8P1, G5D3, J3D8, J3D9 and J4D6; and
   BCA 2022 Volume 2 clauses; H1D7 (4)(a), H2D6(4), H3D2, H3D3, H4P7, H4D9, H6D2 (1)(b)(ii) and H7D4.
   BCA 2025 Volume 2 clauses; H1D7 (4)(a), H2D6(4), H3D2, H3D3, H4P7, H4D9, H6D2 (1)(b)(ii) and H7D4.
   Reports reviewed by Clarkson Consulting Services Pty Ltd Report Ref. 260318 dated 19/02/2026:
   - **a)** Clarkson Consulting Services Pty Ltd; Thermal Insulation Assessment of James Hardie™ Gravis™ – 50mm External Wall Cladding System, version 1.2; Dated 05/03/2026. Report is evidence to support compliance with J3D8, J3D9, J4D6 and H6D2 (1)(b)(ii) **[BCA 2022 & 2025]**.
   - **b)** Clarkson Consulting Services Pty Ltd; Thermal Insulation Assessment of James Hardie™ Gravis™ – 75mm External Wall Cladding System, version 1.2; Dated 05/03/2026. Report is evidence to support compliance with J3D8, J3D9, J4D6 and H6D2 (1)(b)(ii) **[BCA 2022 & 2025]**.
   - **c)** Clarkson Consulting Services Pty Ltd; Structural Assessment of Hardie™ Gravis™ – 50mm & 75mm External Wall Cladding Systems; version1.3; Dated 18/03/2026. Report is evidence to support compliance with B1D4(b)(ii), H1D7(4)(a), F3D5(1)(b) and H2D6(4) [via H1D7(4)(a) compliance] **[BCA 2022 & 2025]**.
   - **d)** Clarkson Consulting Services Pty Ltd; Weatherproofing Assessment of James Hardie™ Gravis™ – 50mm & 75mm External Wall Cladding Systems; Version 1.2; Dated 13/04/2026. Report outlines compliance with F1P1 **[BCA 2025]** and F3P1 **[BCA 2022]** and H2P2) **[BCA 2022 & 2025]**.
   - **e)** Ignis Labs Pty Ltd; Report No. IGNL-9429-04-01R I01R01; James Hardie Gravis AAC Wall System Regulatory Information Report; Issued 04/02/2026. Report confirms compliance with C2D2(2) and H3D3 **[BCA 2022 & 2025]**.
   - **f)** Ignis Labs Pty Ltd; Report No. IGNE-260041-01R I01R01; James Hardie Gravis AAC External Wall System Fire Assessment Report; Issued 19/03/2026. Report confirms compliance with C2D2(2), G5D3, H3D3 and H7D4 **[BCA 2022 & 2025]**.
   - **g)** Speckel Pty Ltd "Better Building"; Reference. No. 0278(01); Hygrothermal Assessment; Hardie Gravis Panels dated 08/05/2026. Report confirms compliance with F8P1 andH4P7 via the verification methods F8V1 and H4V5 **[BCA 2022 & 2025]**.
3. Clarkson Consulting Services Pty Ltd; Internal Fixing Detail for 50mm Gravis™ Panels in N4/C2 Wind Class; Dated 27/05/2026. Report is evidence to support compliance with B1D3(c) **[BCA 2022 & 2025]** and H2P1(2)(c) **[BCA 2022]** and H2P1(3)(c) **[BCA 2025]**.

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