Certificate of Conformity

Certification Body:

CMI CERTFICATION
ABN: 81 663 250 815
JAS-ANZ 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:

etex inspiring ways of living
Etex Australia Pty Ltd
ABN: 61003621010
31 Military Road, Matraville,
NSW 2036
Australia
P: +61 2 9311 6908
www.innovafibrecement.com.au

Certificate number: CM40431

THIS IS TO CERTIFY THAT

Duracom™ Wall Cladding System

Type and/or use of product:

Duracom™ wall cladding system is an exterior fibre cement cladding system for residential and commercial buildings. Suitable for use on all buildings where metal top hats can be fixed to a structural substrate

Description of product:

Duracom™ panels are square-edged prefinished, 9mm or 12mm thick compressed autoclaved cellulose fibre cement panels trimmed, and factory sealed.

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

	Volume One		Volume Two	
Performance Requirement(s):	B1P1(1), (2)(c)	Structural reliability – Resistance to wind actions	H1P1(1), (2)(c)	Structural reliability – Resistance to wind actions
	F3P1	Weatherproofing - External walls subject to Limitation and Condition No. 2.	H2P2	Weatherproofing – External walls subject to Limitation and Condition No. 2.
Deemed-to-Satisfy Provision(s):	C2D2	Fire resistance and stability – Refer Limitation and Condition 4 for FRLs achieved.	H3D2(1)(d)	Non-combustible building elements – Fibre-reinforced cement sheeting – Panel Only
	C2D9	Lightweight construction– Fibre-reinforced cement sheeting – Panel Only	H3D3	Fire separation of external walls – Refer Limitation and Condition 4 for FRLs achieved.
	C2D10(6)(d)	Non-combustible building elements – Fibre-reinforced cement sheeting – Panel Only	H6D2(1)	Energy Efficiency – Contributes to the overall energy efficiency of the building must be used in conjunction with other building components - Refer A3
	C2D11	Fire Hazard Properties – Group Number	H7D4(2)(a)	Construction in bushfire prone areas – Subject to Limitation and Condition No. 7, 8 & 9
	G5D3	Construction in bushfire prone areas – Subject to Limitation and Condition No. 7, 8 & 9		
	J4D6	Energy Efficiency – Contributes to the overall energy efficiency of the building must be used in conjunction with other building components - Refer A3		
State or territory variation(s):	G5D3 NSW		H7D4 NSW, QLD & SA	

Glen Gugliotti – CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 15/05/2025

Date of expiry: 15/05/2028

Certificate of Conformity

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. Duracom™ wall cladding system must be installed in accordance with the Duracom™ Wall Cladding System Technical brochure May 2025.
2. To satisfy F3P1 & H2P2 via verification requires the site specific evaluation of the relevant design against F3V1 and/or H2V1 to the satisfaction of the Appropriate Authority as defined by the NCC:
   a) 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
   b) is not subjected to an ultimate limit state wind pressure of more than 2.5kPa; and
   c) includes only windows that comply with AS 2047.

   This is deemed to include AS 4055 Wind Classifications N1w, N2w, N3w, N4w, C1w & C2w, and excludes AS 4055 Wind Classifications, N5w, N6w, C3w & C4w. Waterproofing applications that exceed 2.5kPa Ultimate Limit State Wind Pressure, and do not exceed 5.77kPa Ultimate Limit State Wind Pressure are outside the scope of this certification and Compliance with Weatherproofing is subject to site specific design and approval by the regulatory authority. Refer to A6.
3. For Class 2 to Class 9 buildings, the Duracom™ wall cladding system is suitable for only Type C Fire-Resisting Construction when fixed to timber stud framing.
4. Compliance with FRL is dependent on the system being constructed in accordance with Duracom™ Wall Cladding System Technical brochure May 2025 as outlined in A3. Any deviation from the assessed system does not form part of this certificate of conformity.
   a) For timber and steel framing applications, if the Duracom™ wall cladding system is used as part of a wall system, the wall system achieves **an FRL 60/60/60** when the Duracom™ panels are installed in conjunction with 1 layer of 16mm GTEK™ Fire and Wet Area Plasterboard on the external fireside. On the internal side, with 1 layer of 10mm GTEK™ Plasterboard to be installed as the internal wall lining.
   b) For timber and steel framing applications, if the Duracom™ wall cladding system is used as part of a wall system, the wall system achieves **an FRL 90/90/90** when the Duracom™ panels are installed in conjunction with 2 layers of 16mm GTEK™ Fire and Wet Area Plasterboard on the external fireside where joints in the second layer are to be staggered relative to joints in the first layer or ensuring that the joints in the first layer of plasterboard are lapped by the second sheet. On the internal side, with 1 layer of 10mm GTEK™ Plasterboard is to be installed as the internal wall lining.

   Construction methods for external walls required to be fire resisting in relation to Class 1 and 10 buildings and structures must comply with Part 9.2 of the ABCB Housing Provisions.
5. The structural certification is limited to the cladding only and does not include the sub-structure. The Duracom™ Wall Cladding System must be fixed to a structurally adequate external wall frame in accordance with the appropriate span tables in section A3. The structural support members are designed and engineered separately as per project requirements by building designers and engineers. In all cases, it is a requirement that the Wall Cladding System incorporates either;
   a) A timber frame constructed in accordance with AS 1684 or AS 1720.1; or
   b) A cold-formed steel frame constructed in accordance with NASH Standard for Residential and Low-rise Steel Framing, Part 1: Design Criteria; or
   c) Framework compliant with the above minimum requirements and other standards, and the Building Code of Australia as applicable
6. In all installations the minimum clearance between the underside of panel and the adjoining ground surface level below must comply with the specifications in Part 7.5.7 of the ABCB Housing Provisions.
7. The Duracom™ Wall Cladding System is suitable for use on buildings located in a designated Bushfire Prone Area subject to a Bushfire Attack Level (BAL) up to and including BAL–FZ when constructed in accordance with AS 3959:2018 (subject to state and territory variations) as outlined in A3 for a Class 1 building, a Class 2 building, a Class 3 building, or a Class 10a building.
8. Compliance with BAL Low-FZ is limited to the tested system that achieve a minimum of FRL of 30/30/30. Refer A3 for FRL systems. It is the responsibility of the Building Designer to ensure compliance is achieved in accordance with AS 3959-2018.
9. In NSW, the Duracom™ Wall Cladding System is suitable for use on buildings located in a designated Bushfire-Prone Area:
   a) 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.
   b) 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.
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.

Certificate of Conformity

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

Duracom™ Wall Cladding System, utilising fibre cement compressed panels fixed to Cold Formed Section (CFS) steel support framing. Duracom™ panels are designed for installation in a variety of patterns, including vertical, horizontal, brick-bond or diamond inclined. Duracom™ panels are available in 9mm and 12mm thicknesses and are finished with site applied acrylic paint system.

Thickness (mm)	Weight kg/lm	Width (mm)	Length (mm)				
			1800	2400	2700	3000	
9	14.6	900	✓	✓			
9	14.6	1200	✓	✓	✓	✓	
12	19.5	1200		✓		✓	Weight is based on Equilibrium Moisture Content.

Duracom™ wall cladding system utilizes:

- Duracom™ 9mm and 14mm thick fibre cement panels
- Primary Top Hat Galvanised Steel
- Intermediate Top Hat Galvanised Steel
- Horizontal Backing Strip BMT 0.42
- EPDM Foam Gasket
- Weather Seal Washer
- Wafer Head Self-Drilling Screw. (Recommended for exposed fixing).
- Self-drilling screws specified by Innova, are supplied by others. Refer Fasteners Section in Duracom™ Wall Cladding System Technical brochure May 2025.
- Durabarrier Rigid Air Barrier System
- GTEK™ Fire and Wet Area 16mm Board
- GTEK™ 10mm Plasterboard

Duracom™ wall cladding system Accessories:

Name	Description	Product Code
Primary Top Hat Galvanised Steel	120 x 35 x 0.75BMT – 6000mm	847
	120 x 35 x 1.15BMT – 6000mm	831
Intermediate Top Hat Galvanised Steel	50 x 35 x 0.75BMT – 6000mm	849
	50 x 35 x 1.15BMT – 6000mm	835
Horizontal Backing Strip BMT 0.42	1190mm	839
	2390mm	841
	2990mm	843
EPDM Foam Gasket	25m	845
Weather Seal Washer		DCA-WSEAL
Wafer Head Self-Drilling Screw. (Recommended for exposed fixing)	No. 10 x 30mm	GSA-SCREW 3010

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A3 Product specification

Structural reliability – Resistance to wind actions (B1P1 & H1P1)

Duracom™ Wall Cladding System Fixing and Framing Requirements – Duracom™ Top Hat 0.75BMT - Span and Fastener Spacing Table

Wind Classification AS 4055	Max. Design Ultimate Limit State Wind Pressure AS/NZS 1170.2 (kPa)		Primary/Intermediate Maximum Top Hat Span (mm)	Within 1200mm of corners (mm)		General Areas of Walls (Away from Corners) (mm)	
	Within 1200mm of Corners	General areas of walls		Max. Top Hat Spacing (mm)	Fastener Spacing	Max. Top Hat Spacing (mm)	Fastener Spacing
N1w	-0.94	-0.53, +0.62	1250mm - Refer Note 13	600	600	600	600
N2w	-1.30	-0.74, +0.86	1135mm - Refer Note 13	600	600	600	600
N3w	-2.42	-1.16, +1.35	920mm - Refer Note 13	600	360	600	600
N4w	-2.90	-1.45, +1.56	853mm - Refer Note 13	600	310	600	600
N5w	-4.27	-2.14, +2.30	900 mm - Refer Note 14	300	140	450	180
N6w	-5.77	-2.88, +3.11	850 mm - Refer Note 14	300	100	450	135
C1w	-1.95	-0.98, +1.05	900 mm - Refer Note 14	450	200	450	200
C2w	-2.90	-1.45, +1.56	900 mm - Refer Note 14	450	140	450	200
C3w	-4.27	-2.14, +2.30	900 mm - Refer Note 14	300	140	450	180
C4w	-5.77	-2.88, +3.11	850 mm - Refer Note 14	300	100	450	135

Notes:

1. For Weatherproofing in N1, N2, N3, N4, C1, C2, use either AS/NZS 4200.1 vapour permeable moisture barrier; or Durabarrier Rigid Air Barrier System.
2. For Weatherproofing in N5, N6, C3, C4, use Durabarrier Rigid Air Barrier System.
3. All fixing lengths shall be increased by 6mm when used in conjunction with Durabarrier Rigid Air Barrier System.
4. All supporting structure must be designed to resist forces from out-of-plane wind pressures.
5. Cladding fixings into top hats shall be, 10G-18x30mm Fibre Teks, min. 40mm from sheet edges & 80mm from sheet corners.
6. All cladding fixings shall be pre-drilled and countersunk with Countersinking Tool.
7. It is the project engineer's responsibility to specify the connection of top-hats to the supporting structure
8. Steel Framing for N1-N3 shall be min. 0.75mm BMT G550, with top hat fixings 10-16 Hex Head Teks.
9. Steel Framing for N4-N6 & C1-C4 shall be min. 1.0mm BMT G550, with top hat fixings 12-14 Hex Head Teks.
10. In N1 to N4 top hats may be supported on 2 framing members (single-span).
11. In N5 to C4 top hats shall be supported on a minimum of 3 framing members (double-span).
12. Primary top hats in all wind loads shall be 120x35x0.75BMT, G300.
13. Intermediate top hats in N1 to N4 (up to 2.9kPa design non-cyclonic wind pressure) shall be 50x35x0.75BMT, G300.
14. Intermediate top hat in N5 to C4 (up to 5.77kPa design cyclonic wind pressure) shall be 70x35x0.75BMT, G300

In all cases it is a requirement that the fixing of battens to the supporting structure must be designed by the project engineer, see page 11 of the Duracom™ Wall Cladding System Technical Brochure, May 2025.

In all cases the batten configuration, batten fixing, and Duracom™ Panel fixing spacing specifications contained in Duracom™ Wall Cladding System Technical Brochure, May 2025 shall be adhered to for the applicable Design Ultimate Limit State Wind Pressures.

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Structural reliability – Resistance to wind actions (B1P1 & H1P1)

Duracom™ Wall Cladding System Fixing and Framing Requirements – Duracom ™Top Hat 1.15BMT - Span and Fastener Spacing Table

Wind Classification AS 4055	Max. Design Ultimate Limit State Wind Pressure AS/NZS 1170.2 (kPa)		Primary/Intermediate Maximum Top Hat Span (mm)	Within 1200mm of corners (mm)		General Areas of Walls (Away from Corners) (mm)	
	Within 1200mm of Corners	General areas of walls		Max. Top Hat Spacing (mm)	Fastener Spacing	Max. Top Hat Spacing (mm)	Fastener Spacing
N1w	-0.94	-0.53, +0.62	1470	600	600	600	600
N2w	-1.30	-0.74, +0.86	1368	600	600	600	600
N3w	-2.42	-1.16, +1.35	1141	600	500	600	600
N4w	-2.90	-1.45, +1.56	1172	450	450	600	600
N5w	-4.27	-2.14, +2.30	919	450	250	450	450
N6w	-5.77	-2.88, +3.11	680	450	250	450	450
C1w	-1.95	-0.98, +1.05	900	450	250	450	250
C2w	-2.90	-1.45, +1.56	900	450	250	450	250
C3w	-4.27	-2.14, +2.30	900	450	250	450	250
C4w	-5.77	-2.88, +3.11	680	450	250	450	250

Notes:

1. For Weatherproofing in N1, N2, N3, N4, C1, C2, use either AS/NZS 4200.1 vapour permeable moisture barrier; or Durabarrier Rigid Air Barrier System.
2. For Weatherproofing in N5, N6, C3, C4, use Durabarrier Rigid Air Barrier System.
3. All fixing lengths shall be increased by 6mm when used in conjunction with Durabarrier Rigid Air Barrier System.
4. All supporting structure must be designed to resist forces from out-of-plane wind pressures.
5. Cladding fixings into top hats shall be, 10G-18x30mm Fibre Teks, min. 40mm from sheet edges & 80mm from sheet corners.
6. All cladding fixings shall be pre-drilled and countersunk with Countersinking Tool
7. It is the project engineer's responsibility to specify the connection of top-hats to the supporting structure.
8. Steel Framing for N1-N3 shall be min. 0.75mm BMT G550, with top hat fixings 10-16 Hex Head Teks.
9. Steel Framing for N4-N6 & C1-C4 shall be min. 1.5mm BMT G450, with top hat fixings 12-14 Hex Head Teks.
10. In N1 to N3 top hats may be supported on 2 framing members (single-span).
11. In N4 to C4 top hats shall be supported on a minimum of 3 framing members (double-span).
12. Primary top hats in all wind loads shall be 120x35x1.15BMT, G300.
13. Intermediate top hats in N1 to C4 shall be 50x35x1.15BMT, G300

In all cases it is a requirement that the fixing of battens to the supporting structure must be designed by the project engineer, see page 11 of the Duracom™ Wall Cladding System Technical Brochure, May 2025.

In all cases the batten configuration, batten fixing, and Duracom™ Panel fixing spacing specifications contained in Duracom™ Wall Cladding System Technical Brochure, May 2025 shall be adhered to for the applicable Design Ultimate Limit State Wind Pressures.

Weatherproofing (F3P1 & H2P2)

The Duracom™ Wall Cladding System weatherproofing test in accordance with FV1.1 and V2.2.1 which are equivalent to F3V1 and H2V1, requires that the installation of the Duracom Facade System is done in accordance with the Duracom™ Wall Cladding System Technical brochure May 2025 , table 4 with **maximum design serviceability limit state wind pressures of +0.82 kPa and -1.23 kPa**, and **maximum design ultimate limit state wind pressures of ± 2.5kPa.**

Source: *Acronem Consulting Report ACA 190626 dated 06/05/2025 and Ian Bennie and Associates Test Reports No. 2019-019-S2 dated 24/05/2019 and Test Report No. 2019-019-S8 dated 17/12/2019*

Fire resistance Level **(C2D2(2) & H3D3)**	The fire performance of Duracom™ Wall Cladding System as an external wall to achieve a Fire Resistance Level (FRL), as required by Clause C2D2 for Type A Fire-Resisting Construction, including Specification 5 & Part 9.2.3(2) of the ABCB Housing Provisions has been verified by prototype testing & assessment performed by an Accredited Testing Laboratories in accordance with the requirements of AS 1530.4:2014, and as detailed in the Duracom™ Wall Cladding System Technical brochure May 2025. Duracom™ Wall Cladding System incorporating 9mm or 12mm Duracom™ panels installed on a stud framed wall maximum 6.5m in height, either 90 mm deep timber studs or 92 mm deep 0.75mm bmt steel studs, at maximum 600mm spacing, noggins at maximum 1200mm spacing, fixing spacing maximum 200mm, including; sarking between Duracom™ and 16mm GTEK™ Fire and Wet Area Plasterboard fixed to the external face of the framing; optional insulation in the framing cavity; jointing and base slab connection details; floor junction detail; framed wall trussed roof detail; internal lining of 10mm GTEK™ Standard Plasterboard; if tested in accordance with AS 1530.4:2014 will likely achieve an FRL of: - **60/60/60** with 1x16mm GTEK™ Fire and Wet Area Plasterboard installed on the external face of the framing as well as 10mm GTEK™ Standard Plasterboard on the inside. - **90/90/90** with 2x16mm GTEK™ Fire and Wet Area Plasterboard installed on the external face of the framing as well as 10mm GTEK™ Standard Plasterboard on the inside. **NOTE:** All exterior walls must have a vapour permeable moisture barrier directly behind the Duracom™ System. No adhesives are to be used when installing GTEK™ Fire and Wet Area 16mm and the Duracom™ System. Nails or screws must be used, refer to GTEK™ Fire and Acoustic Guide for installation of fire rated plasterboard. ***Source:*** *Acronem Consulting Report ACA 190626 dated 06/05/2025 and Warringtonfire Australia Pty Ltd Report number: FAS200381, Revision: R1.3 dated 08/07/2022.*
Material Testing (C2D9)	Duracom™ panels have been subject to BCA Specification 6 Structural tests for lightweight construction Test Methods outlined in S6C10 material tests. The relevant S6C10(a) standard adopted by reference in the BCA for Duracom™ panels is AS/NZS 2908 Part 2 – Cellulose-cement products — Flat sheets. The material properties of Duracom™ panels have been determined by testing in accordance with AS/NZS 2908.2 by an Accredited Testing Laboratory, Duracom™ panels are classified Type A, Category 4 in accordance with AS/NZS 2908.2:2000. ***Source****: Acronem Consulting Report ACA 190626 dated 06/05/2025.*
Non-combustible (C2D10 & H3D2)	Duracom™ panels are suitable for use where non-combustible materials are required in accordance with C2D10(6)(d) and H3D2(1)(d) of the Building Code of Australia as fibre-reinforced cement sheeting that complies with AS/NZS 2908.2:2000. Non-combustibility has also been verified by material testing performed by an Accredited Testing Laboratories in accordance with the requirements of AS 1530.1:1994. Other elements of the Duracom™ Wall Cladding System including: - gaskets, caulking, sealants, damp-proof courses, that are addressed in C2D10(4) are not required to be non-combustible; and, - plasterboard, fibre-reinforced cement sheeting, and sarking-type materials that do not exceed 1mm in thickness and have a flammability index of not greater than 5, that are addressed in C2D10(6) may be used wherever a non-combustible material is required. ***Source:*** *Acronem Consulting Report ACA 190626 dated 06/05/2025 and Ignis Labs Pty Ltd Test Report No. IGNL-6089-01R I01 R01 dated 27/06/2022.*
Fire Hazard Properties (C2D11)	Duracom™ panels achieved a Group Number of 1, and Average Specific Extinction Area (ASEA) of 17m^2/kg ***Source:*** *Acronem Consulting Report ACA 190626 dated 06/05/2025 and AWTA Product Testing Report No. 22-001352 dated 09/05/2022.*

Bushfire Protection (G5D3 & H7D4)	**BAL-40:** The use of the Duracom™ Wall Cladding System incorporating Duracom™ panels as described in Duracom™ Wall Cladding System Technical brochure May 2025 has been assessed by an accredited testing laboratory to be an acceptable use of the product to satisfy the prescribed requirements of AS 3959:2018 as part of an external wall to achieve a bushfire resistance performance of BAL– 40, with particular reference to requirements for joint sealing and the detailing requirements Clause 3.6.1 for vents, weepholes, gaps and screening materials. **BAL-FZ:** The use of the Duracom™ Wall Cladding System incorporating Duracom™ panels in conjunction with GTEK™ Fire and Wet Area 16 mm on the external side of the wall framing and GTEK™ 10mm Standard Plasterboard on the internal side of the wall framing, detailed per Sections 8.1 & 8.3 of Fire Assessment Report FAS200381 R1.3 (8 July 2022), has been assessed by an accredited testing laboratory as achieving FRL's that exceed the AS 3959:2018 BAL-FZ Clause 9.4.1(c) requirement for 30/30/30 when tested from the outside ***Source:*** *Acronem Consulting Report ACA 190626 dated 06/05/2025 and Warringtonfire Report No: 23616-R7.0, Ref: No: FAS220109 dated 27/05/2022.*
Energy Efficiency (J4D6, H6D2(1))	The Total R-values of the Duracom™ Wall Cladding System have been determined as; Overall Total Thermal Resistances of R1.89 m2K/W (UT=0.529 W/m2K) (Winter) and RT=1.77 m2K/W (UT=0.564 W/m2K) (Summer). These incorporate surface film resistances and thermal bridging of the steel frame. These insulation R-values and Total R-values may be used: - as inputs into an analysis for determining heating and cooling load limits using house energy rating software in accordance with S42C2 for demonstrating compliance with Clause H6D2(1)(a), or - to satisfy the requirements of 13.2.5, where lightweight walls are required to include minimum insulation R-values or Total R-values. For the purposes of determining the J4D6 Total System U-Value of wall-glazing construction as a combination of wall and glazing components comprising the envelope of a building, the contributions of U_T in the above table may be used for this purpose. J4D6(4) requires wall components of a wall-glazing system to achieve a minimum Total R-value of: - R1.0 where the wall is less than 80% of the wall-glazing construction, or - The Total R-value specified in Table J4D6a where the wall is 80% or more of the wall-glazing construction The Duracom™ Wall Cladding System meets the Table J4D6a Minimum Deemed-to-Satisfy Total R-value requirements with the exception of: - - Climate Zone 1, and - - Class 3 or 9c building or Class 9a ward areas in Climate Zones 3, 4, 6, 7 & 8 ***Source****: Acronem Consulting Report ACA 190626 dated 06/05/2025 and James M Fricker report i367c dated 03/09/2019*

A4 Manufacturer and manufacturing plant(s)

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

A5 Installation requirements

The Duracom™ Wall Cladding System must be installed in accordance with the Duracom™ Wall Cladding System Technical brochure May 2025.

A6 Other relevant technical data

Weatherproofing (F3P1 & H2P2)

The weatherproofing performance of the Duracom™ Wall Cladding System installed in applications where an external wall;

(i) has a risk score of 20 or less, when the sum of all risk factor scores are determined in accordance with NCC 2022, BCA Volume One Table F3V1(a), Volume Two Table H2V(a); and

(ii) is subjected to an absolute ultimate limit state wind pressure of **more than 2.5kPa but not greater than 5.77kPa**, see Section Structural reliability – Resistance to wind actions for specific configuration requirements; and

(iii) includes only windows that comply with AS 2047;

has been verified by a combination of prototype testing in accordance with the requirements of AS/NZS 4284, wind strength testing of Duracom™ Wall Cladding System, and engineering calculation. In all cases, the maximum design serviceability limit state wind pressures remain equal to the tested values +0.82 kPa and -1.23 kPa.

Based on these results, the Duracom™ Wall Cladding System is limited to external wall applications where the design serviceability limit state wind pressure, calculated in accordance with AS/NZS 1170.2 Structural Design Actions Part 2: Wind Actions, does not exceed +0.82 kPa and -1.23 kPa.

This is deemed to include AS 4055 Wind Classifications N1, N2, N3, N4, C1 & C2 (and excludes AS 4055 Wind Classifications, N5, N6, C3 & C4).

The optional inclusion of Durabarrier Rigid Air Barrier System to replace the “Vapour Permeable Moisture Barrier*”, as shown in Duracom™ Wall Cladding System Technical Brochure, May 2025, has the effect of increasing the maximum design serviceability limit state wind pressure, calculated in accordance with AS/NZS 1170.2 Structural Design Actions Part 2: Wind Actions, to ± 2.5 kPa.

This is deemed to include AS 4055 Wind Classifications N1, N2, N3, N4, N5, N6, C1, C2, C3 & C4

The optional inclusion of “16mm GTEKTM Fire and Wet Area”;

- - between the wall framing and the “Vapour Permeable Moisture Barrier*”, as shown in Duracom™ Wall Cladding System Technical Brochure, May 2025, Figures 30 & 31; or
- - between the wall framing and the Durabarrier Rigid Air Barrier, and the additional requirements specific to achieving the required fire safety performance, is not considered to affect the weatherproofing performance as tested and assessed above

Source: *Acronem Consulting Report ACA 190626 dated 06/05/2025 and Ian Bennie and Associates Test Reports No’s; 2019-019-S2 dated 24/05/2019, 2019-019-S8 dated 17/12/2019 & 2024-041-S2 dated 13/02/2025*

Rising Damp (F1P4 & H2P3)

The damp-proofing performance of the Duracom™ Wall Cladding System to prevent unhealthy or dangerous conditions, or loss of amenity and undue dampness or deterioration of building elements is primarily achieved based on detailing that requires the Duracom™ Wall Cladding System to be installed with a minimum 75mm clearance to well drained open ground or finished concrete or concrete/tiled level. In addition, a damp proof course is detailed beneath the bottom plate, see Duracom™ Wall Cladding System Technical Brochure, May 2025.

Source: *Acronem Consulting Report ACA 190626 dated 06/05/2025 and Duracom™ Wall Cladding System Technical brochure May 2025*

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Ancillary provisions A5G3(1)(d)&(e). A report issued by an Accredited Testing Laboratory & a certificate or report from a professional engineer.
2. Energy Efficiency Provisions A5G3(1)(d)&(e). A report issued by an Accredited Testing Laboratory & a certificate or report from a professional engineer.
3. Fire Safety Provisions A5G3(1)(d)&(e). A report issued by an Accredited Testing Laboratory & a certificate or report from a professional engineer.
4. Structural Resistance Provisions A5G3(1)(d)&(e). A report issued by an Accredited Testing Laboratory & a certificate or report from a professional engineer.
5. Weatherproofing Provisions A5G3(1)(d)&(e). A report issued by an Accredited Testing Laboratory & a certificate or report from a professional engineer.

B2 Reports

1. Acronem Consulting Australia Pty Ltd; Report No. ACA 190626; Innova Duracom™ Façade System, NCC 2022(Amdt.1) Volumes One, Two & Housing Provisions – External Walls; Dated 06/05/2025. This report provides evidence and validates the below test reports for compliance with; B1P1(1), (2)(c), H1P1(1), (2)(c), F3P1, H2P2, C2D2, H3D3, C2D9, C2D10(6)(d), H3D2(1)(d), C2D11, J4D6, H6D2(1), G5D3 & H7D4(2)(a). Test reports validated:
   a. James Cook University, Cyclone Testing Station; Report No. TS1150, Simulated Wind Load Strength Testing of Duracom Façade System, by Simon Ingham for BGC (Australia) Pty Ltd.); Dated 23/07/2019. Report provides evidence used by ACA 190626 to validate compliance with B1P1 and H1P1.
   b. James Cook University, Cyclone Testing Station; Report No. TS1150, Static and cyclic simulated wind load strength testing was conducted on Duracom Façade.; Dated 25/07/2019. Report provides evidence used by ACA 190626 to validate compliance with B1P1 and H1P1.
   c. James Cook University, Cyclone Testing Station; Report No. TS13560, Cyclic Simulated Wind Load Strength Testing of Innova Durasheet Façade System for Cyclonic Regions, by Rodney Lowe for Etex Australia Pty Ltd. Dated 21/08/2024. Report provides evidence used by ACA 190626 to validate compliance with B1P1 and H1P1.
   d. MW Engineering; Ref: Mill/JLP 11665, Certification of JLP Consulting Engineers junction stud load span tables for Millform Products; Dated 18/12/2019. Report provides evidence used by ACA 190626 to validate compliance with B1P1 and H1P1MW Engineering; Ref: Mill/JLP 11665, Span Tables (x14); Dated 18/12/2019. Report provides evidence used by ACA 190626 to validate compliance with B1P1 and H1P1
   e. MW Engineering; Ref: Mill/JLP 11665, Table JS01; Dated 18/12/2019. Report provides evidence used by ACA 190626 to validate compliance with B1P1 and H1P1
   f. Warringtonfire Aus Pty Ltd; NATA Accreditation No. 3277; Report No. FAS200381 Revision 1.4; Assessment of FRLs ; Dated 17/08/2023. Report provides evidence of FRLS for compliance with C2D2(2) & H3D3. [EXPIRES 31/03/2026]
   g. CSIRO; Report: 8133; Test Report Evaluation for Conformity of the BGC Duracom, Fibre-reinforced Cement Board UV Acrylate (UV-cured acrylated putty) to the requirements of AS/NZS 2908.2:2000 and AS 1774.31.1:2000(R2013) Modulus of Elasticity – Flexural Method; Dated 15/03/2019.
   h. BRANZ Test Report: DC16150-01-3; Testing BGC Duracom to the Requirements of AS/NZS 2908.2:2000; Dated 03/08/2022 [EXPIRES 03/08/2027. Testing in accordance with Specification 6 Material Testing for compliance with C2D9.
   i. Ian Bennie Associates; NATA Accreditation No. 2371; Test Report No. 2019-109 Report 1 - ASTM E695-79 impact test modified to the requirements of NCC Vol. 1; Dated 11/02/2020. Testing in accordance with Specification 6 Material Testing for compliance with C2D9.
   j. Ian Bennie Associates; NATA Accreditation No. 2371; Test Report No. 2019-109 Report 2 - Surface Indentation Tests to NCC; Dated 14/02/2020. Testing in accordance with Specification 6 Material Testing for compliance with C2D9.
   k. Ignis Labs Pty Ltd; Test Report No. IGNL-6089-01R I01 R01; Dated 27/06/2022. Report provides evidence for compliance with C2D10 & H3D2. [EXPIRES 26/06/2027]

l. Warringtonfire Aus Pty Ltd; NATA Accreditation No. 3277; Report No. FAS210082 RIR1.1; Assessment of plasterboard products in accordance with AS 5637.1:2015; Dated 25/08/2023. Report provides evidence of Group Numbers of linings for compliance with C2D11. [EXPIRES 30/06/2026]
m. AWTA Product Testing Pty Ltd; Test Report No. 22-001352; Group Number Assessment (in accordance with AS 5637.1-2015), “Duracom Mix Type C6/12 Mix-T””, Test Number: 22-001352; Dated 09/05/2022. Report documents the results of testing in accordance with AS 5637.1 with group number and ASEA for compliance with C2D11
n. Ian Bennie and Associates; NATA Accreditation No. 2371; Test Report No. 2019-019-S2; Dated 24/05/2019. Report provides evidence for compliance with F3P1 & H2P2.
o. Ian Bennie and Associates; NATA Accreditation No. 2371; Test Report No. 2019-019-S8; Dated 17/12/2019. Report provides evidence for compliance with F3P1 & H2P2.
p. Ian Bennie and Associates; NATA Accreditation No. 2371; Test Report No. 2024-041-S2; Dated 13/02/2025. Report provides evidence for compliance with F3P1 & H2P2.
q. Warringtonfire Report No: 23616-R7.0, Ref: No: FAS220109; Dated 27/05/2022. Report provides evidence of BAL-40 for compliance with G5D3 & H7D4. [EXPIRES 31/05/2027]
r. James m Fricker; Report No. i367c; hermal Insulation Evaluation by Calculation, 9mm BGC Fibre Cement Panel System with 35mm &120mm tophats R2.70 bulk insulation, and steel studs at 600mm centres (10mm plasterboard; Dated 03/09/2019. Calculations are in accordance with H6D2(1) and J4D6.

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