Certificate of Conformity

Certification Body:

CMI CERTIFICATION

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Certificate Holder:

NewTechWood

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Certificate number: CM40405

THIS IS TO CERTIFY THAT

NewTechWood Wall Cladding Systems

Type and/or use of product:

External wall cladding system.

Description of product:

NewTechWood Wall Cladding Systems incorporates Shadowline (US31) & Castellation (UH61, UH58, UH93) boards in horizontal or vertical orientations. Refer A2 for details.

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

	Volume One		Volume Two	
Performance Requirement(s):	B1P1(1), (2)(c)	Structural reliability – limited to Wind Actions	H1P1(1), (2)(c)	Structural reliability and resistance – limited to Wind Actions
	F3P1	Weatherproofing – Subject to limitation and condition 4.	H2P2	Weatherproofing– Subject to limitation and condition 4.
Deemed-to-Satisfy Provision(s):	J4D6	Energy efficiency – Must be used in conjunction with other building elements to achieve the required Total R-Value. Refer A3 for values achieved.	H6D2(1)	Energy efficiency – Must be used in conjunction with other building elements to achieve the required Total R-Value. Refer A3 for values achieved.
State or territory variation(s):	Part J4 (NT)		Part H6 (NSW, NT & TAS)	

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 NewTechWood Wall Cladding System must be installed in accordance with either NewTechWood Castellation Wall Cladding System, V06AUS, June 2025 or NewTechWood Shadowline Wall Cladding System, V06AUS, July 2025.
2. The structural support members are designed and engineered separately as per project requirements of the wall by building designers and engineers. The structural certification is limited to Wind Actions of the cladding only and does not include the sub-structure.
3. The NewTechWood Wall Cladding Systems must incorporate 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.
4. To satisfy compliance with F3P1 or H2P2, the relevant design is required to meet the following criteria to the satisfaction of the Appropriate Authority as defined by the NCC. The weatherproofing performance of NewTechWood Wall Cladding System is deemed suitable for non-cyclonic applications where the external wall;

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: 29/08/2025

Date of expiry: 29/08/2028

ABCB JAS-ANZ

a) 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
b) is subjected to an absolute ultimate limit state wind pressure of not more than 3.01kPa; and
c) includes only windows that comply with AS 2047;

This is deemed to include AS 4055 Wind Classifications N1w, N2w, N3w & N4w and excludes AS 4055 Wind Classifications, N5w, N6w, C1w, C2w, C3w & C4w. Refer A3 of this Certificate of Conformity for details.

5. The NewTechWood Wall Cladding System has not been tested and certified for impact loading from windborne debris in Region C and D as denoted in AS/NZS 1170.2:2011 (R2016). The building designer should take into consideration internal pressure resulting from dominant openings.
6. In all installations the minimum clearance between the underside of panel and the adjoining surface level below must comply with the specification in Part 7.5.7 of the ABCB Housing Provisions.
7. 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 **NewTechWood Wall Cladding System** is a fully finished, ventilated façade solution designed for durability, weather resistance, and modern aesthetics. The system is available in two profiles to suit different architectural styles and design requirements:

- **Shadowline (US31)**
  A sleek wall cladding board featuring a fine-grooved shadow line detail that creates a sharp, contemporary linear appearance, ideal for modern façades requiring clean horizontal or vertical lines.
- **Castellation (UH61, UH58, UH93)**
  A deep-grooved wall cladding profile that creates a bold, three-dimensional batten look, delivering a striking architectural feature with strong depth and shadow effects.

NewTechWood Castellation and Shadowline Wall Cladding Systems may be installed either horizontally or vertically clip-fixed onto battens.

System components

Supplied by NewTechWood

- US31 – Shadowline Wall Cladding Board or UH61, UH58, UH93 – Castellation Wall Cladding Board
- AW08 –Cladding Clip
- CA42 / AW02 – J-Trim / Starter Strip (used at base, top, windows & penetrations)
- AW02 (alt. to CA42) – Starting Trim
- AA45 – H-Trim Base (vertical & horizontal joints)
- CA49 – H-Trim Cover (vertical & horizontal joints)
- AA46 – Inside Corner Trim Base
- CA50 – Inside Corner Trim Cover
- AA44 – F-Trim Base (end of wall)
- CA48 – F-Trim Cover (end of wall)
- AA47 – Outside Corner Trim Base
- CA51 – Outside Corner Trim Cover
- T7 – Stopper (packing under last board at joint)
- WJ063 – Screw M3x12mm SS304 (locks board into AW08 clip)
- Screw (Face-fixing) – 8g x 50mm SS304, colour head (for fixing first/last boards)

Other Materials (not supplied by NewTechWood)

- Breathable Wall Wrap – Solitex Extasana (Wall Weather Resistive Barrier)
- Wall Wrap Compatible Tape – Tescon Extora (sealing joins in wall wrap)
- Wall Wrap Compatible Patches – Pro Clima Naideck (for screws penetrating wrap)
- Wall Wrap Compatible Penetration – Tescon Extoseal (sill tape around openings)
- Adhesive Sealant – Orcon All-Round General Purpose Sealant (or equivalent)
- Cavity Batten Options:
  - Steel Top-Hat (horizontal) 50x25x0.75mm BMT G550
  - Timber (horizontal or vertical-on-stud) 70x35mm, H3 treated, MGP10, chamfered/castellated (open area ≥ 1000mm²/m)
- Cavity Closer – 60x25x0.42mm BMT Z150 steel angle with Ø3mm holes (open area ≥ 1000mm²/m)
- Screws – Batten to Frame:
  - Steel Top-hat to steel frame – 12g x 25mm, hex head self-drill, Class 3, 2 per stud
  - Steel Top-hat to timber frame – 12g x 60mm, SS304 bugle batten, 2 per stud
  - Timber batten to timber/steel frame – 12g x 60/80mm, SS304 bugle batten, 2 per stud
- Screws – Clip/Trim to Battens
  - To timber battens – 10g x 25mm, SS304 self-tapping pan head
  - To steel battens – 10g x 20mm, SS304 self-tapping pan head

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A3 Product specification

Structural reliability and resistance

The maximum design actions for NewTechWood Wall Cladding Systems have been determined by testing at an Accredited Testing Laboratory for Design Ultimate Limit State & Serviceability Limit State Wind loadings. he strength of NewTechWood Wall Cladding Systems is limited to applications where the;

- AS/NZS 1170.2 absolute design ultimate limit state wind pressure (Wu) (non-cyclonic) does not exceed;
  - 3.01 kPa for Shadowline (US31) boards supported at 500mm c/c (AS 4055 Wind Classification up to N4w), and
  - o 3.01 kPa for Castellation (UH61, UH58, UH93) boards supported at 450mm c/c (AS 4055 Wind Classification up to N4w), and
  - o 2.60 kPa for Castellation (UH61, UH58, UH93) boards supported at 500mm c/c (AS 4055 Wind Classification up to N3w).
- - AS/NZS 1170.2 design serviceability limit state wind pressure (Ws) does not exceed;
  - o +0.82 kPa and -1.23 kPa, (AS 4055 Wind Classification up to N4w)

NewTechWood Wall Cladding Systems				
AS 4055 Wind Classification	Maximum Batten Spacing (mm)		AS/NZS 1170.2 Maximum Design Wind Pressures (kPa)	
	Shadowline (US31)	Castellation (UH61, UH58, UH93)	Serviceability (SLS)	Strength (ULS)
N1w, N2w, N3w	500	500	+0.82 / -1.23	2.60
N4w	500	450		3.01

Source: *Acronem Consulting Australia Pty Ltd report ACA 2500530 dated 21/07/2025.*

Weatherproofing Performance

The weatherproofing performance of NewTechWood Wall Cladding Systems 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(Amdt.1), Volume One Table F3V1a or Volume Two Table H2V1a; and

(ii) is subjected to an absolute ultimate limit state wind pressure of not more than 3.01 kPa; 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, and strength testing of the panel and fixings where, in all cases, the maximum design serviceability limit state wind pressures do not exceed tested values, +0.82 kPa and -1.23 kPa.

Based on these results, NewTechWood Wall Cladding Systems 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 N1w, N2w, N3w & N4w (and excludes AS 4055 Wind Classifications, N5w, N6w, C1w, C2w, C3w & C4w)

Source: *Acronem Consulting Australia Pty Ltd report ACA 2500530 dated 21/07/2025.*

Thermal Performance The Total R-values of the NewTechWood Wall Cladding Systems are achieved

NewTechWood Castellation or Shadowline Wall Cladding System (with 90mm R2.5 batts)		Total R-value (m^2 .K/W)	
		Winter (Heat flow outwards)	Summer (Heat flow inwards)
Horizontal	Timber Frame	2.69	2.53
	Steel Frame	2.12	2.01
Vertical	Timber Frame	2.66	2.51
	Steel Frame	2.03	1.9

Source: *Acronem Consulting Australia Pty Ltd report ACA 2500530 dated 21/07/2025.*

A4 Manufacturer and manufacturing plant(s)

This filed is optional. Contact Certificate Holder for details.

A5 Installation requirements

The NewTechWood Wall Cladding System must be installed in accordance with either NewTechWood Castellation Wall Cladding System, V06AUS, June 2025 or NewTechWood Shadowline Wall Cladding System, V06AUS, July 2025.

A6 Other relevant technical data

No other relevant technical data.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Structural Provisions A5G3(1)(d)&(e). A report issued by an Accredited Testing Laboratory & from a professional engineer.
2. Thermal Provisions A5G3(1)(e). A report from a professional engineer.
3. Weatherproofing Provision A5G3(1)(d)&(e). A report issued by an Accredited Testing Laboratory & from a professional engineer.

B2 Reports

1. Acronem Consulting Australia Pty Ltd; Report No. ACA 250530; Newtechwood Wall Cladding Systems (Castellation & Shadowline Profiles In Horizontal & Vertical Orientations), NCC 2022(Amdt.1), BCA Vols. One, Two & Housing Provisions Appraisal – External Walls; Dated 01/07/2025. Report references the below reports to validate compliance with B1P1(1), (2)(c), F3P1, J4D6, H1P1(1), (2)(c), H2P2, & H6D2(1).
    a. Ian Bennie Associates; NATA Accreditation No. 2371; Test Report No. 2024-077-S1, Testing of Building Facades, Performance tests by the methods of: AS 4040.2-1992(R2016) Methods of testing sheet roof and wall cladding, Method 2: Resistance to wind pressures for non-cyclone region, For Newtechwood Shadowline (US31) Cladding; Dated 07/06/2025. Report provides evidence used by ACA 250530 to validate compliance with B1P1 and H1P1
    b. Ian Bennie Associates; NATA Accreditation No. 2371; Test Report No. 2024-077-S2, Testing of Building Facades, Performance tests by the methods of: AS 4040.2-1992(R2016) Methods of testing sheet roof and wall cladding, Method 2: Resistance to wind pressures for non-cyclone region, For Newtechwood Castellation (UH61) Cladding; Dated 07/05/2025. Report provides evidence used by ACA 250530 to validate compliance with B1P1 and H1P1.
    c. Acronem Consulting Australia Pty Ltd; Load-Span Calculations, NewTechWood, Strength (2025-077-S1-US31, 2025-077-S2-UH61; Dated 01/06/2025. Calculations are evidence used by ACA 250530 to validate compliance with B1P1 and H1P1.
    d. Ian Bennie Associates; NATA Accreditation No. 2371; Test Report No. 2024-069-S1, Testing of Building Facades, Performance tests by the methods of AS/NZS 4284-2008: Testing of building facades To the requirements of NCC 2022 Verification methods F3V1 & H2V1 For Cavity walls For NewTechWood Shadowline (US31) Cladding; Dated 07/05/2025. Report provides evidence used by ACA 250530 to validate compliance with F3P1 and H2P2.
    e. Acronem Consulting Australia Pty Ltd; Calculation No. W250606aWS; Calculation of Thermal Performance -NewTechWood Wall Cladding System (Horizontal), Timber Frame; Dated 06/06/2025. Calculations are in accordance with J4D6 and H6D2(1).
    f. Acronem Consulting Australia Pty Ltd; Calculation No. W250606b; Calculation of Thermal Performance -NewTechWood Wall Cladding System (Horizontal), Steel Frame; Dated 06/06/2025. Calculations are in accordance with J4D6 and H6D2(1).
    g. Acronem Consulting Australia Pty Ltd; Calculation No. W250606c; Calculation of Thermal Performance -NewTechWood Wall Cladding System (Vertical), Timber Frame; Dated 06/06/2025. Calculations are in accordance with J4D6 and H6D2(1).
    h. Acronem Consulting Australia Pty Ltd; Calculation No. W250606d; Calculation of Thermal Performance -NewTechWood Wall Cladding System (Vertical), Steel Frame; Dated 06/06/2025. Calculations are in accordance with J4D6 and H6D2(1).

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