Certificate of Conformity

Certification Body:

Bureau Veritas Australia Pty Ltd
3/435 Williamstown Road
Port Melbourne VIC, 3207
Ph: 1800 855 190
www.bureauveritas.com.au

Certificate Holder:

Innowood Australia Pty Ltd
Suite 15, Jones Bay Wharf
26-32 Pirrama Road,
Pyrmont NSW 2009
Ph: 1300 787 717
www.innowood.com

Certificate number: CM70093 Rev2

THIS TO CERTIFY THAT

Innowood – Composite Wood External Cladding System

Type and/or use of product:
Composite Wood Cladding System for use on Class 1 & 10 buildings and Class 2 – 9 (not suitable for Type A & B construction where building elements are required to be non-combustible).

Description of product:
InnoClad Innowood is a Composite Wood material, extruded into various profiles including those for cladding, screens and louvres. Innowood profiles are pre-finished and suitable for external use in either Innovative or Premium colouring systems.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) **BCA 2019**

	Volume One		Volume Two	
Performance Requirement(s)	**BP1.1(a), limited to (b)(iii)&(xv)**	Structural Provisions	**P2.1.1(a), limited to (b)(iii)&(xv)**	Structural stability and resistance to actions
	FP1.4	Weatherproofing	**P2.2.2**	Weatherproofing
Deemed-to-Satisfy Provision(s):	**G5.1**	Construction in Bushfire Prone Areas	**3.10.5.0**	Construction in Bushfire Prone Areas
	G5.2	Construction in Bushfire Prone Areas		
State or territory variation(s):	**NSW G5.1**	Construction in Bushfire Prone Areas	**NSW 3.10.5.0**	Construction in Bushfire Prone Areas
	Qld G5.1	Construction in Bushfire Prone Areas	**QLD 3.10.5.0**	Construction in Bushfire Prone Areas
	NSW G5.2	Construction in Bushfire Prone Areas		

Sam Guindi – Product Certification Manager
Bureau Veritas Australia Pty Ltd

Quintin Kleyn - Unrestricted Building Certifier
Hendry Group Pty Ltd

Date of issue: 12 January 2021
Revalidated: 17 December 2023
Date of expiry: 17 December 2026

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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. This certification covers Innowood Innoclad External Cladding products only.
2. INNOWOOD products shall not be used for any structural purpose.
3. For Class 2 to Class 9 buildings Innowood cladding system can only be used on Type C constructions. Innowood does not achieve or contribute to a fire-resistance level (FRL) but may be used on a wall where an FRL is required, provided that the method of attachment does not reduce the FRL of the wall.
4. Timber framing shall comply with AS 1684: Timber Framing Code and Steel framing shall comply with AS/NZS 4600: Cold-Formed Steel Structure or AS 3623: Domestic Metal Framing.
5. Cladding shall not be fixed directly to stud framing as adequate ventilation is required behind cladding. Metal top hats or timber battens shall always be used over the top of stud framing to create a minimum cavity of 35mm.
6. Shall only be installed by a licenced tradesperson with experience in timber cladding, and in accordance with the installation manuals listed in section A5.
7. The waterproofing systems for all panels are dependent on window, door and other penetration frames being designed constructed and installed in accordance with the installation manuals listed in section A5 to enable adequate flashing and sealing to the building.
8. The 22mm Innowood product is suitable for use in Bushfire Prone Areas up to and including BAL-29.
9. In order to maintain compliance with BAL, it is the responsibility of the Building Designer to ensure compliance is achieved in accordance with AS 3959:2009 Construction of buildings in bushfire-prone areas.
10. This product shall only be used for its intended purpose.

Building classification/s:

Volume 1 – Class 2 to Class 9 buildings
Volume 2 – Class 1 and Class 10 buildings

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.

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product
As above.

A2 Description of product
The products covered under this certification are:

V - JOINT SHIPLAP CLADDING – 25mm
WC13625 - 105mm
WC20025 - 165mm

SECRET FIXED SHIPLAP CLADDING SYSTEM – 33mm and 35mm
WC17533 - 150mm
WC20435 - 180mm

Further detail can be found in the Innowood website: https://innowood.com/shiplap/

A3 Product specification

- Aluminium S-mould starter
- Aluminium J-Trim starter
- Aluminium Corner angles suitable for internal and external corners
- Aluminium T Bar for butt joints
- Aluminium J-mould starter* Only for WC17533
- Aluminium Channel AL07550

Aluminium Inserts/Stiffener

- AL4535
- AL5035
- AL5035
- AL3939

A4 Manufacturer and manufacturing plant(s)
Innowood Australia, 28 Delong Road, Shijiao Town, Qingchen, Guangzhou, China

A5 Installation requirements

1. Innoclad Secret Fixed Shiplap Cladding Installation Manual – Secret Fixed Shiplap Cladding – November 2020 - V3
2. Innoclad Shiplap Fixing Installation Manual – V Joint Shiplap Fixing – November 2020 - V3

A6 Other relevant technical data
INNOWOOD Physical Properties – INNOWOOD - Physical Properties - 2019 V1

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Structural resistance A2.2(2)(a)/A5.2(1)(e) - A certificate or report from a professional engineer or other appropriately qualified person (Lautrec Façade Design Engineers, University of Sydney – Centre for Advanced Structural Engineering)
2. Weatherproofing A2.2(2)(a)/A5.2(1)(e) - A certificate or report from a professional engineer or other appropriately qualified person (Façade lab & CSIRO)
3. Bushfire construction A2.2(2)(a)/A5.2(1)(d) - A report issued by an Accredited Testing Laboratory

B2 Reports

1. **Lautrec Façade Design Engineers (Will Cobb), Span Table and Fixing table (dated 20/09/2018)**
   This document details the structural resistance of the product and the maximum spans and fixing spacing permissible based on the Ultimate Limit State Pressure.

2. **University of Sydney – Centre for Advanced Structural Engineering, Testing of Future Timber Composite – Innowood – Test No. T637 (dated November 2005)**
   This document contains the results of the product when tested against the requirements of AS 4266:2004 (4266.1, 4266.3, 4266.4, 4266.5, 4266.6 & AS/NZA4663:2002. The product achieves a tensile strength of 1.36 MPa.

3. **CSIRO – Laboratory evaluation on the resistance of "Brand name* engineered timber" to attack by subterranean termites, Report No. 996 (dated 02 August 2001)**
   This report contains the results of the products resistance to termite attack when exposed to M. darwiniensis and C. acinaciformis termites. The testing determined that the product has a high degree of resistance to attack by termites with mean mass loss of 8.9% from M. darwiniensis and 5.8% from C. acinaciformis.
   * Brand name removed for confidentiality

4. **Façade Lab - Testing of three Innowood cladding systems on cavity in accordance with AS/NZS 4284 (with E2/VM1 and further testing in appendix) Report No. 17-11 (dated May 2017)**
   This report contains the results of testing to AS/NZS 4284 process, and to the E2/VM1 test. The product achieved a Pass for static Water Penetration Test Pressure 455 Pa Duration 15 minutes and passed the E2/VM1 Class 2 requirements.

5. **CSIRO - Evaluation of Innowood Composite Timber - Report No. 2880/R2 (dated 23 October 2007)**
   This report contains the findings of the products behaviour when exposed to a high humidity environment, immersed in deionised water and in salt water. The report concluded that there has been no measurable swelling or change in dimensions or deterioration of the Innowood when exposed to high humidity or immersed in either deionised or salt water.

6. **CSIRO – Test on reconstituted wood based composite extrusion at 25-kW/m2 irradiance in accordance with AS/NZS 3837:1998 – Report No. FNK 11410 (dated 21 May 2015)**
   This report contains the results of testing to AS/NZS 3837 of the 22mm Innowood product. The product achieves maximum heat release rate of 42.6 kW/m2 and an average heat release rate for 10 minutes following ignition of 15.7 kW/m2 and is concluded to therefore be suitable for BAL-29 construction in accordance with Section 7 and Appendix F of AS3959-2018.