

INNOCLAD V-JOINT SHIPLAP CLADDING

PURPOSE

The Building Agency Ltd supplies INNOCLAD V-joint Shiplap boards for use as a horizontal or vertical installed external wall cladding.

EXPLANATION

INNOCLAD V-joint Shiplap weatherboards (weatherboards) are manufactured from a wood plastic composite (WPC) comprised of natural wood waste, PVC, pigments, density modifiers and additives. The weatherboards come with a V-shaped tongue and groove; shadow-line rebated joint. When installed the weatherboards overlap, concealing the fixings and locking the weatherboards together.

The weatherboards are available in the following profiles:

- thickness (mm): 25
- width (mm): 136, 200
- length (mm): 5400.

Profiles may be mixed and matched.

At the end of its life, INNOCLAD V-joint Shiplap Cladding System weatherboards are 100% recyclable.



For further assistance please contact:

☎ 09 415 2669

✉ info@buildingagency.co.nz

🌐 www.thebuildingagency.co.nz



SCOPE AND LIMITATIONS OF USE

Scope	Limitations
<p>Location</p> <p>On all buildings up to extra high wind zone as defined in NZS 3604:2011 or to a maximum calculated design wind pressure (ULS) of 2.5 kPa.</p> <p>In all exposure zones as defined by NZS 3604:2011.</p> <p>On buildings located more than 1 m from the relevant boundary.</p>	<ul style="list-style-type: none"> ➤ All fixings to comply with E2/AS1 (table 20 and 21) for the appropriate exposure zone as defined in NZS 3604:2011, section 4. ➤ For use in microclimatic considerations (s4.2.4, NZS 3604:2011) refer to The Building Agency.
<p>Building</p> <p>On timber or steel structural framing.</p>	<ul style="list-style-type: none"> ➤ A thermal break, with an minimum R-value of 2.0, is required where the weatherboards are used in conjunction with steel framing. ➤ On buildings of any building height. ➤ The spacing between the centres of fixing battens must be no more than 450 mm. ➤ In conjunction with a flexible building wrap or rigid air barrier (depending on location and wind zone) that meets the performance characteristics (as a minimum), that are described in table 23, E2/AS1. ➤ With aluminium joinery that meets NZS 4211:2008 or has a current product certificate (CodeMark). <p>Horizontal fixing:</p> <ul style="list-style-type: none"> ➤ Direct fixed where E2/AS1 risk score <7. ➤ Over ventilated cavity where E2/AS1 risk score is ≥7, but <20. <p>Vertical fixing:</p> <ul style="list-style-type: none"> ➤ Direct fixed where E2/AS1 risk score <13. ➤ Over ventilated cavity where E2/AS1 risk score is ≥13, but <20.
<p>In conjunction with a primary structure that complies with the NZ Building Code or where the designer has established that the existing structure is suitable for the intended building work.</p>	

USEFUL INFORMATION

For information on the specification, installation and maintenance of the INNOCLAD V-joint Shiplap Cladding System, and for our warranty, refer to www.thebuildingagency.co.nz

OTHER CERTIFICATIONS AND APPROVALS HELD BY THE MANUFACTURER

Innowood Australia, manufacturer of the INNOCLAD V-joint Shiplap Cladding System, holds the following certifications and memberships:


- Environmental Product Declaration (EPD) Registered S-P-00853.
- Member of Australia Green Building Council.

CONDITIONS

- The specification and installation must be carried out or supervised by a Licensed Building Practitioner (LBP) with the relevant license class and in accordance with INNOCLAD V-joint Shiplap Fixing Installation Manual Jun 2017-V2.
- The installation of the weatherboards must use the Aluminium moulds (starter, j-moulds, internal & external corner) supplied by The Building Agency.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all The Building Agency requirements, INNOCLAD V-joint Shiplap Cladding System will comply with or contribute to compliance with the following performance claims:

NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement	Demonstrated by
B1 Structure B1.3.1, B1.3.2, B1.3.3 (f, h, j) B1.3.4 (b, c, d, e)	PRODUCT CERTIFICATION 	<ul style="list-style-type: none"> ➤ CodeMark certificate issued by Bureau Veritas. ➤ Bureau Veritas is an accredited product certification body under section 263 of the Building Act 2004.
B2 Durability B2.3.1 (b)		
E2 External Moisture E2.3.2, E2.3.5, E2.3.7 (a, b, c, d)		
F2 Hazardous Building Materials F2.3.1		
C3 Fire affecting areas beyond the fire source C3.5, C3.7	ACCEPTABLE SOLUTION C/AS2	<ul style="list-style-type: none"> ➤ CSIRO tested to ISO5660. ➤ CSIRO is NATA accredited. ➤ The weatherboards demonstrate a Type B (CAS2) performance

SOURCES OF INFORMATION

- Bureau Veritas [24/01/2020]. InnoClad and InnoScreen. Certificate no. CM70078 Rev1. Refer <https://www.building.govt.nz/assets/Uploads/building-code-compliance/certifications-programmes/product-certification-scheme/product-certificate-register/inno-clad-and-innoscreen.pdf>. [Accessed 17/01/2022].
- CSIRO. [2018]. ISO 5660-Part 1:2015(E). *Reaction-to-fire tests*. Report FNKI 12180.

Scan or click this QR code for a full download of Compliance Documentation for this pass™.
www.thebuildingagency.co.nz/products/



1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable.
2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards.

The Building Agency confirms that if INNOCLAD V-joint Shiplap boards are used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14 G of the Building Act.

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NZBN: 9429042373131

Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that this pass has been prepared on behalf of The Building Agency and in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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