



# PRODUCT CERTIFICATE

## JSC VertiClad Cladding System

# JSC Timber



### KEY INFORMATION

CERTIFICATE: GM-CM30084 RevE

<b>1</b>	<b>SUMMARY OF DESCRIPTION OF BUILDING METHOD OR PRODUCT</b>
	The JSC VertiClad Cladding System (the System) comprises: vertically fixed weatherboards installed over H3.2 treated timber castellated cavity battens to form a nominally non-structural 20mm cavity or structurally fixed 45 mm cavity, fixings, coating systems, flashings and accessories.
<b>2</b>	<b>SUMMARY OF INTENDED USE OF BUILDING METHOD OR PRODUCT</b>
	The System is a cavity-based external wall cladding system installed on a structural timber frame.
<b>3</b>	<b>BUILDING CODE PROVISIONS</b>
	The System if designed, used, installed and maintained in accordance with this Certificate, the system will meet the following provisions of the NZBC: <b>Clause B1 STRUCTURE:</b> Performance B1.3.1, B1.3.2, B1.3.4 (b), (c), (d) and (e) for the relevant physical conditions of B1.3.3 (a), (h), (j) and (q). <b>Clause B2 DURABILITY:</b> Performance B2.3.1(b) and B2.3.2(b). <b>Clause E2 EXTERNAL MOISTURE:</b> Performance E2.3.2, E2.3.5, E2.3.7(b) and (c). <b>Clause F2 HAZARDOUS BUILDING MATERIALS:</b> Performance F2.3.1.

<b>4</b>	<b>CERTIFICATE HOLDER DETAILS</b>
	<p><b>JSC Timber Ltd</b>  Trading as JSC Timber  22 Sawmill Rd, Riverhead, Auckland 0892  TechHelp@jsctimber.co.nz  Tel: +64 9 412 2800  http://www.jsctimber.co.nz</p>

ISSUED	LAST UPDATE	RECERTIFICATION
4/11/2019	18/11/2021	4/11/2022
<b>5 SIGNATURE</b>		
 Herve Michoux, Global Mark Managing Director		

<b>6</b>	<b>PRODUCT CERTIFICATION BODY</b>
	<p><b>Global-Mark Pty Ltd</b>  57 Willis Street, Wellington, 6011  customer.service@global-mark.co.nz  +64 9 889 0622  www.global-mark.co.nz</p>
	The complaints process for this certificate can be found here:
	<a href="https://www.global-mark.com.au/?s=complaint">https://www.global-mark.com.au/?s=complaint</a>



This certificate is issued by an independent certification body accredited by JAS-ANZ, the product certification accreditation body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment under the Building Act 2004.

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CERTIFICATE V1.5

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### 7 CONDITIONS AND LIMITATIONS OF USE

1. The system use is limited to the following scope:
  - Location
    - In wind zones up to and including extra high, as defined in NZS3604:2011 or situated in specific design wind pressures up to a maximum design differential ultimate limit state (ULS) of 2.5 kPa, where the building has been specifically engineered
    - In all exposure zones, excluding microclimates as defined in NZS3604:2011.
  - Building
    - Has the scope limitations of NZBC Acceptable Solution E2/AS1, Third Edition including amendment 9 (27/06/2019), Paragraph 1.1; and,
    - New timber framed buildings with building wrap or rigid air barrier that comply with the NZBC Acceptable Solution E2/AS1 Third Edition including amendment 9 (27/06/2019),
    - Existing timber framed buildings where the designer and installer have satisfied themselves that the existing building is suitable for the intended building work
    - With a risk score of 0-20 when calculated in accordance with NZBC Acceptable Solution E2/AS1, Third Edition including amendment 9 (27/06/2019), Table 2
    - The System must only be installed vertically on vertical, flat, surfaces
    - The System is certified for use with aluminium window and door joinery that is installed with vertical jambs and horizontal heads and sills
    - The wall cladding system is located more than 1m from a relevant boundary.
2. Specification, installation, inspection and maintenance in accordance with the following sets of documents collectively referenced as the Applicable Technical Specification:
  - JSC VertiClad Vertical Shiplap Weatherboard Cladding Installation and Specification Guide v3.0., October 2021
  - JSC VertiClad Vertical Shiplap Weatherboard System Installation Checklist v2.1, Nov 2019
  - JSC VertiClad Vertical Shiplap Weatherboard System Technical Drawings - Dated 27/07/2019
3. Subject to regular inspection for soil movement, earthquake or other structural impact or user damage
4. Proprietary stain systems and proprietary paint systems have not been evaluated, and are therefore outside the scope of this certification
5. The designer shall provide a signed Declaration for submission with the building consent application that the use of this product in the proposed building work falls within the intended used of the system as described in this certificate and that all design conditions of this certificate have been met.
6. The installer shall supply a signed Declaration that the product has been installed in accordance with the installation conditions of this certificate, for consideration for issuing a Code Compliance Certificate (CCC).
7. The system can only be used with the ancillary components and board profiles as described in the Applicable Technical Specification. Where these components are substituted with alternative products, these applications fall outside the scope of this certification. In particular, the System relies on the joinery meeting the requirements of NZS 4211:2008 including Amendment 1 for the relevant Wind Zone or wind pressure).
8. In existing buildings, the designer signing the declaration referred in condition #5 must be satisfied that the existing building is adequate for the intended building work. This assessment is outside the scope of this certificate.
9. With TMT Lunawood weatherboards only stainless steel fixing can be used.

### 8 HEALTH AND SAFETY INFORMATION

Standard industry safety practices and manufacturer safety requirements as detailed in the technical literature including the applicable SDS must be observed at all times.

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9 SUPPORTING INFORMATION ABOUT DESCRIPTION			
<p>1. JSC VertiClad Cladding System weatherboards are manufactured from the following species; Western Red Cedar (<i>Thuja plicata</i>), Alaskan Yellow Cedar (<i>Cupressus nootkatensis</i>), Radiata Pine – H3.2 (MicroPro® treated), Iroko (<i>Milicia excelsa</i>), TMT Lunawood Scots Pine (<i>Pinus sylvestris</i>) or TMT Lunawood Spruce (<i>Pinus abies</i>)</p> <p>2. JSC VertiClad Cladding System weatherboards are profiled to NZS 3617:1979 and BRANZ BU 411 (April 2011) or JSC Timber’s specifications.</p> <p>3. Weatherboards are supplied either raw or machine coated on all surfaces to JSC Timber’s specification with:</p> <ul style="list-style-type: none"> <li>• one coat of exterior grade premium stain, or</li> <li>• base coats of exterior grade premium primer &amp; undercoat.</li> </ul> <p>4. All weatherboards are to be coated with premium grade stain or paint and finished to JSC Timber’s specifications.</p> <p>Refer to JSC VertiClad Vertical Shiplap Weatherboard Cladding Installation and Specification Guide v3.0., October 2021 for additional information about the system description and options.</p>			
10 SUPPORTING INFORMATION ABOUT INTENDED USE			
Nil			
11 SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE			
Nil			
12 BASIS FOR CERTIFICATION			
The certification decision is based on independent technical review(s) of test report(s), engineering opinion(s) and other documented evidence(s), factory audit(s) and site review(s)			
Code Clause	Compliance pathway	Evidence	
Clause B1 STRUCTURE	Alternate solution based on NZS3604:2011 in comparison with E2/AS1	001, 002, 003 and 004	
Clause B2 DURABILITY	Alternate solution based on expert judgement	001, 002, 003, 005 and 007	
Clause E2 EXTERNAL MOISTURE	Verification method E2/VM1 test	001, 002, 003 and 004	
Clause F2 HAZARDOUS BUILDING MATERIALS	Alternate solution based on expert judgement	001, 002, 003 and 006	
13 SUPPORTING DOCUMENTATION FOR CERTIFICATION			
Ref	Author	Title	Date and/or revision
001	JSC Timber	JSC VertiClad Vertical Shiplap Weatherboard Cladding Installation and Specification Guide	v3.0., October 2021
002	JSC Timber	JSC VertiClad Vertical Shiplap Weatherboard System Installation Checklist	v1.1, Nov 2019
003	JSC Timber	JSC VertiClad Vertical Shiplap Weatherboard System Technical Drawings	Dated 27/11/2019
004	Façade Lab *	Performance tests on JSC timber “Verticlad” vertical shiplap weatherboard cladding systems in accordance New Zealand Building Code E2/VM1	Test Report 13/03
005	SCION *	DURABILITY AND POTENTIAL END-USES OF SOME TIMBER SPECIES IMPORTED INTO NEW ZEALAND	October 2017
006	JSC Timber	JSC Cladding Systems SDS Index	V1.0, December 2020
007	JSC Timber *	JSC TMT Compliance Evaluation	Rev1.0 dated 01/10/2021
* indicates that this document was provided commercial in confidence and is not publicly available.			

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### 14 CONDITIONS RELATING TO NOTIFICATION

- (a) the certificate holder notifies the product certification body in writing of any intended change to any of the following particulars:
- (i) the name, address, or contact details of the certificate holder;
  - (ii) any address of a location where a certified product is produced or manufactured;
- (b) the certificate holder notifies the product certification body in writing of any intended change, modification, or alteration to any of the following:
- (i) the certified building method or product;
  - (ii) the method of its production or manufacture;
  - (iii) the product quality plan prepared in respect of the certified building method or product;
  - (iv) the application or installation instructions for the certified building method or product;
  - (v) any documentation relating to the use and maintenance of the certified building method or product;
- (c) if the certificate holder has any reason to suspect that the certified building method or product does not comply with the Building Code, the certificate holder notifies the product certification body in writing of the reason for that suspicion:
- (d) if the certificate holder or the product certification body finds that a certified building method or product that has been released on the market does not comply with the Building Code, the certificate holder discloses that fact in disclosure statements published in a form that is acceptable to the product certification body and to the chief executive:
- (e) if the certificate is suspended or revoked, the certificate holder—
- (i) notifies all customers to whom the building method or product is regularly supplied; and
  - (ii) immediately ceases using the certificate, the mark of conformity, and any reference to the number of the certificate.

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