



Certificate of Conformity

Certificate number: CM40253 Rev1

Certification Body:



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Certificate Holder:



Perma Composites Pty Ltd
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THIS IS TO CERTIFY THAT

PermaTimber® Cladding

Type and/or use of product:

Wall cladding

Description of product:

PermaTimber® Cladding is a composite timber cladding manufactured from reclaimed hardwoods and recycled plastics using 87% recycled materials. PermaTimber® Cladding can be installed both horizontally and vertically. PermaTimber® Cladding comes in several profiles, refer A3.

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

BCA 2022

	Volume One	Volume Two
Performance Requirement(s):	B1P1(1),(2)(a), (b), (c) & (d) F3P1	H1P1(1),(2)(a), (b), (c) & (d) H2P2
	Structural reliability Weatherproofing – Subject to <i>Limitation and Condition 6</i>	Structural stability and resistance to actions Weatherproofing – Subject to <i>Limitation and Condition 6</i>
Deemed-to-Satisfy Provision(s):	C2D11 (1)(b)	Not Applicable
	Fire hazard properties – Refer A3.	
State or territory variation(s):	Not Applicable	Not Applicable

SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B

Limitations and conditions:

- This product has not been tested to AS 1530.1-1994 (R2016) and cannot be considered a non-combustible product.
- PermaTimber® cladding is permitted to be used in non-cyclonic wind regions N1 – N4 and cyclonic regions C1 – C3 and in accordance with section A5 of this Certificate of Conformity and [PermaComposites PermaTimber CX Original Weatherlap WideBoard Eco Cladding Installation Guide 2023 V2](#) and [PermaComposites PermTimber CX Castellated Installation Guide 2023 V3](#).
- The structural support members are designed and engineered separately as per project requirements by building designers and engineers.
- For all installations, the clearance between cladding and ground must comply with the dimensions specified in Part 7.5.7 of ABCB Housing Provisions.
- For Type A & B construction, the use of the PermaTimber® Cladding must be supported by a site-specific Performance Solution where the BCA requires building elements and/or ancillary elements to be non-combustible. Acceptance or otherwise of the site-specific Performance Solution is at the discretion of the appropriate Authority subject to the regulatory framework of the relevant State or Territory.
- Compliance with F3P1 & H2P2 via verification, the relevant design is required to meet the criteria of F3V1 and/or H2V1 to the satisfaction of the Appropriate Authority as defined by the NCC. The site specific building must;

Building classification/s:

Class 1,2,3,4,5,6,7,8,9 & 10

Richard Donarski – CMI

Don Grehan – Unrestricted Building Certifier

Date of issue: 22/09/2023

Date of expiry: 10/12/2024



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- (a)(i) have a risk score of 20 or less, when the sum of all risk factor scores are determined in accordance with Table F3V1a/H2V1a; and
- (a)(ii) is not subjected to an ultimate limit state wind pressure of more than 2.5kPa; and
- (a)(iii) include only windows that comply with AS 2047.

Compliance with Weatherproofing is limited to the tested specimen, deviations or installations that incorporate any parapet flashing or balcony drainage will be subject to a site specific design and approval to the satisfaction of the regulatory authority.

7. The Group number was determined in accordance with AS 5637.1:2015 as Group 3 based on testing to AS/NZS 3837:1998. Refer A3 of this Certificate of Conformity.
8. 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

PermaTimber® Cladding is a composite timber cladding manufactured from reclaimed hardwoods and recycled plastics using 87% recycled materials. PermaTimber® Cladding can be installed both horizontally and vertically. PermaTimber® Cladding comes in the following profiles:

Profile	Eco Original	Weatherlap	WideBoard	CX Original	CX Castellated	Battens
Visible width (mm)	150	150	210	150	200	68
Thickness (mm)	21	21	18	21	28	17
Span (mm)	600	600	600	600	600	N/A
Length (mm)	3600-5400	3600-5400	3600-5400	3600-5400	3600-5400	4800

	Width (mm)	Thickness (mm)	Length (mm)
Battens	68	17	4800

A3 Product specification

Weatherproofing

Testing in accordance with BCA Verification Methods and AS/NZS 4284:2008 of a Direct Fix System installed vertically & horizontally. Nominated serviceability limit state pressures: +800 Pa and –800 Pa.

Test parameters and results

Test Type	Criteria	Pressure	Results
Preload	100% +Serviceability 100% -Serviceability	±800	The pressures were applied with no observable structural failures. The preload was successfully completed.
Static Pressure Water Test	30% +Serviceability or +300Pa whichever is higher	+300 Pa	The static water test was completed with no water present during the 0 Pa initial 5 minutes. The static water results comply with the specified criteria of the BCA Verification Methods.
Cyclic Pressure Water Test	Stage 1: 15% - 30% +Serviceability Stage 2: 20% - 40% +Serviceability Stage 3: 30% - 60% +Serviceability	Stage 1: +120 to +240 Stage 2: +160 to +320 Stage 3: +240 to +480	Given that the Stage 3 water penetration was determined to be an electrical box fault the cyclic water results of the cladding system comply with the specified criteria of the BCA Verification Methods.

Source: Vipac Engineers & Scientists Test Report No. 30S-19-0059-TRP-6761497-22 dated 15/08/2019.



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Fire Hazard Properties

Group Number

As per Section 9 (n) of AS 5637.1:2015, the determination of the group number was based on the AS/NZS 3837:1998 test and was deemed valid in the cone calorimeter for the assignment of National Construction Code (NCC) group number.

Group Number: 3

Average Specific Extinction Area: 124.2m²/kg

Source: CSIRO Test Report FNK 12049 Testing to AS/NZS 3837:1998 and determination in accordance with AS 5637.1:2015 dated 03/11/2017.

Fire Indices

AS/NZS 1530.3-1999 (R2016) Indices

Ignitability Index	14	Range 0-20
Spread of Flame Index	4	Range 0-10
Heat Evolved Index	4	Range 0-10
Smoke Index	6	Range 0-10

Source: Exova Warringtonfire Report No. 305598-00.1 testing to AS/NZS 1530.3:1999 Dated 25/11/2008.

A4 Manufacturer and manufacturing plant(s)

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

A5 Installation requirements

Eco Original cladding, Weatherlap cladding, WideBoard cladding and CX Original cladding must be installed in accordance with [PermaComposites PermaTimber CX Original Weatherlap WideBoard Eco Cladding Installation Guide 2023 V2](#).

CX Castellated cladding must be installed in accordance with [PermaComposites PermTimber CX Castellated Installation Guide 2023 V3](#).

Weatherproofing and flashing details are outlined in the [PermaTimber® Flashing Details](#).

Fixing to the wall battens or studs must be 8g x 30mm galvanized screw bolts at max spaces of 600mm for non-cyclonic regions N1-N4. Fixings for cyclonic regions C1-C3 must be 8g x 30mm galvanized screws at max spaces of 450mm.

A6 Other relevant technical data

No other relevant technical data.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Fire Safety Provisions A5G3(1)(d). A report issued by an Accredited Testing Laboratory.
2. Structural Resistance Provisions A5G3(1)(e). A report from a professional engineer or other appropriately qualified person.
3. Weatherproofing Provisions A5G3(1)(d). A report issued by an Accredited Testing Laboratory.

B2 Reports

1. CSIRO; NATA Accreditation No. 165; Report No. FNK 12049; Testing in accordance with AS/NZS 3837:1998; Dated 03/11/2017. Testing required for the purposes of assessment to determine the Group Number Classification as required by C2D11(1)(b) wall linings.
2. CSIRO; NATA Accreditation No. 165; Certificate No. 2453; Certificate of Assessment – Group Number Determination as per Section 9 (n) of AS 5637.1:2015; Dated 03/11/2017. Test report provides the Group Number classification required by C2D11(1)(b) wall linings.
3. Exova Warringtonfire; (AWTA, NATA Accreditation No. 1356); Report No. 305598-00.12462; Testing in accordance with AS/NZS 1530.3-1999; Dated 15/09/2014. Testing provides the regulatory fire indices as required by C2D11(1)(b) *fire hazard properties*.
4. VIPAC; NATA Accreditation No. 676; Report No. 30S-19-0059-TRP-6761497-0; Testing in accordance with AS/NZS 4284:2008, FV1.1 & V2.2.1; Dated 29/05/2019. Test reports confirms PermaTimber® Cladding has been tested and complies with F3P1 and H2P2.
5. Wyche consulting; Project Reference No. 0394.0; Assessment of the structural performance; Dated 05/05/2023. Report confirms The structural reliability factor of the product fixing detail has been calculated for Imposed Actions, Permanent Load Effects, Earthquake & Wind Loadings (B1P1(1),(2)(a),(b),(c)&(d) and H1P1(1),(2)(a),(b),(c)&(d).

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