



Certificate of Conformity

Certificate number: CM40388

Certification Body:



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Certificate Holder:



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THIS IS TO CERTIFY THAT

Ekodeck Decking

Type and/or use of product:

Decking / Floor lining or covering.

Description of product:

Ekodeck Decking (Designer Series, Maxiboard & Flame Fighter) is a wood-plastic composite decking board, designed for decking applications. comes in a series of lengths & colours, See A2.

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

BCA 2022

Performance Requirement(s):

Volume One

Not Applicable

Volume Two

Not Applicable

Deemed-to-Satisfy Provision(s):

- B1D3(b)(iii) Determination of individual actions– Subject to *Limitation and Condition 1*.
- C2D11(1)(a) Fire hazard properties – See *Limitation and Condition 2*.
- D3D11 (3) Contributes to compliance for Pedestrian ramps – (Slip resistance), Subject to *Limitation and Condition 3* - See A3
- D3D14 Contributes to compliance for Goings and risers – (Slip Resistance), Subject to *Limitation and Condition 3* - See A3
- D3D15 Contributes to compliance for Landings – (Slip Resistance), Subject to *Limitation and Condition 3* - See A3
- G5D3 Construction in bushfire prone areas – Subject to *Limitation and Condition 4*

- H1D2(a) Determination of individual actions– Subject to *Limitation and Condition 1*.
- H5D2 Contributes to compliance – (Slip resistance), Subject to *Limitation and Condition 3* - See A3
- H7D4 Construction in bushfire prone areas – Subject to *Limitation and Condition 4*

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:

1. Ekodeck Decking must be installed in accordance with the relevant Ekodeck Decking Installation Guide as outlined in A5 Installation requirements of this Certificate of Conformity. The installation of Ekodeck Decking must be on joists with a minimal width of 45mm and joist spacings as nominated in Section A3 of this *Certificate of Conformity*. The design and installation of supporting substructure and members are outside the scope of this certification. It is the

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: 19/11/2024

Date of expiry: 19/11/2027





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- responsibility of the designer and installer to ensure that the requirements of Section 6.2 subfloor ventilation of the ABCB Housing Provisions for decks are followed to the satisfaction of the *Appropriate Authority* (as defined by the BCA).
2. Compliance with C2D11(1)(a) does not allow for any portion of the floor covering to be continued more than 150 mm up a wall.
 3. Compliance is limited to applications as defined by Table D3D15 and Part 11.2.4 Slip-resistance classification of the BCA 2022 and ABCB Housing Provisions.
 4. Compliance with Construction in bushfire prone areas is limited to BAL-A29, when tested to AS 1530.8.1 and is only applicable for the Flame Fighter series of decking boards.
 5. This certificate is limited to the details within this certificate including the above compliance elements, product description, purpose or use.
 6. Other than the items and information listed, the remainder of the information contained in the product's literature is outside the scope of this certification.

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

Ekodeck Decking (Designer Series, Maxiboard & Flame Fighter) is a wood-plastic composite decking board, designed for decking applications. comes in a series of lengths & colours.

A3 Product specification

Ekodeck Decking board	Ekodeck Decking Designer Series	Ekodeck Decking Maxiboard	Ekodeck Decking Flame Fighter
Dimensions:	137×23×5400mm	180×35×2250mm 180×35×2700mm	137×23×5400mm
Colours:	6	2	6
Technical Data Sheet	Designer Series Product Specs v2.24	Maxiboard Product Specs v2.24	Flame Fighter Product Specs v2.24

Structural Provisions

Ekodeck Decking Designer Series

Ekodeck Decking Designer Series shall be installed in accordance with [Ekodeck Decking Designer Series Installation Guide, V9.24](#) onto supports;

- with minimum bearing width of 45mm; and,
- with maximum support spacing / design concentrated action combinations, of;
 - o 450mm/1.8kN with a Uniformly Distributed Action of 1.5kPa, or
 - o 400mm/2.7kN with a Uniformly Distributed Action of 2.0kPa; and
- with each board installed over at least two (2) spans.

Ekodeck Decking Designer Series is suitable for external decking applications in accordance with the following AS/NZS 1170.1 Table 3.1 imposed floor actions and maximum support spacings.

Source: Acronem Consulting Australia Pty Ltd, Report No. ACA230825 240926, dated 26/09/2024.

Ekodeck Decking Maxiboard

Ekodeck Decking Maxiboard shall be installed in accordance with [Ekodeck Decking Maxiboard Installation Guide, V9.24](#) onto supports;

- with minimum bearing width of 45mm; and,
- with maximum support spacing / design concentrated action combinations, of;
 - o 750mm/1.8kN with a Uniformly Distributed Action of 1.5kPa, and
 - o 700mm/2.7kN with a Uniformly Distributed Action of 2.0kPa; and
 - o 650mm/3.6kN with a Uniformly Distributed Action of 5.0kPa; and
 - o 600mm/4.5kN with a Uniformly Distributed Action of 4.0kPa; and
- with each board installed over at least two (2) spans.

Ekodeck Decking Maxiboard is suitable for external decking applications in accordance with the following AS/NZS 1170.1 Table 3.1 imposed floor actions and maximum support spacings.

Source: Acronem Consulting Australia Pty Ltd, Report No. ACA230827 240626, dated 26/09/2024



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Ekodeck Decking Flame Fighter

Ekodeck Decking Flame Fighter shall be installed in accordance with [Ekodeck Decking Flame Fighter Installation Guide, V9.24](#) onto supports;

- with minimum bearing width of 45mm; and,
- with maximum support spacing / design concentrated action combinations, of;
 - o 450mm/1.8kN with a Uniformly Distributed Action of 1.5kPa, or
 - o 400mm/2.7kN with a Uniformly Distributed Action of 2.0kPa; and
- with each board installed over at least two (2) spans.

Ekodeck Decking Flame Fighter is suitable for external decking applications in accordance with the following AS/NZS 1170.1 Table 3.1 imposed floor actions and maximum support spacings.

Source: Acronem Consulting Australia Pty Ltd, Report No. ACA230826 240926, dated 26/09/2024.

Fire Hazard Properties

Flammability testing has been undertaken against AS/ISO 9239 with the following results:

	Ekodeck Decking Designer Series	Ekodeck Decking Maxiboard	Ekodeck Decking Flame Fighter
Critical radiant flux (CRF) Value	9.7 kW/m ² (transverse) / 5.8 kW/m ² (longitudinal)	5.23 kW/m ²	≥11kW/m ² (transverse) / 11 kW/m ² (longitudinal)
Smoke Value	150 %.min	530 %.min	91 %.min

The above values comply with **Table S7C3 of Specification 7.**

Source: Intertek Testing Services Shenzhen Ltd., Report No. 201020010SHF-002 dated 09/11/2020, SGS-CSTC Standards Technical, Report No. XMIN2110010802CM, dated 15/02/2022 & Intertek Testing Services Shenzhen Ltd. / Report No. 201020010SHF-002, dated 09/11/2020 & Building Code of Australia 2022 – Volume 1.



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Slip Resistance Value

Ekodeck Decking Designer Series

Slip Resistance Value (SRV): 45

Classification: P5 / R10

Compliance is met when a slip-resistance classification not less than that listed in Table D3D15 when tested in accordance with AS 4586.

Application	Dry Surface Conditions	Wet Surface Conditions
Ramp steeper than 1:14	Complies	Complies
Ramp steeper than 1:20 but not steeper than 1:14	Complies	Complies
Tread or landing surface	Complies	Complies
Nosing or landing edge strip	Complies	Complies

Source: Intertek Testing Services Shenzhen Ltd., Report No. 220726006SHF-005, dated 05/09/2022 & ATTAR, Report No. 17283.9, dated 19/11/2021

Ekodeck Decking Maxiboard

Slip Resistance Value (SRV): 54

Classification: P5 / R11

Compliance is met when a slip-resistance classification not less than that listed in Table D3D15 when tested in accordance with AS 4586.

Application	Dry Surface Conditions	Wet Surface Conditions
Ramp steeper than 1:14	Complies	Complies
Ramp steeper than 1:20 but not steeper than 1:14	Complies	Complies
Tread or landing surface	Complies	Complies
Nosing or landing edge strip	Complies	Complies

Source: Intertek Testing Services Shenzhen Ltd., Report No. 220222002SHF-001, dated 24/03/2021 & SGS-CSTC Standards Technical, Report No. XMIN2410001991CM02_EN, dated 1/11/2024

Ekodeck Decking Flame Fighter

Slip Resistance Value (SRV): 52/59/56

Classification: P5 / R10

Compliance is met when a slip-resistance classification not less than that listed in Table D3D15 when tested in accordance with AS 4586.

Application	Dry Surface Conditions	Wet Surface Conditions
Ramp steeper than 1:14	Complies	Complies
Ramp steeper than 1:20 but not steeper than 1:14	Complies	Complies
Tread or landing surface	Complies	Complies
Nosing or landing edge strip	Complies	Complies

Source: Intertek Testing Services Shenzhen Ltd., Report No. 220726006SHF-005, dated 05/09/2022 & ATTAR, Report No. 17283.11, dated 19/11/2021



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Bushfire Attack Level Properties

The test was conducted in accordance with AS 1530.8.1:2018 Methods for fire tests on building materials, components and structures, Part 8.1: Tests on elements of construction for buildings exposed to simulated bushfire attack-Radiant heat and small flaming sources, Section 21 SPECIFIC PROCEDURES FOR DECKS with the following results: Bushfire attack level **BAL: A29**

Bushfire Attack Level (BAL) compliance is limited to the Ekodeck Decking Flame Fighter boards ONLY.

Source: Intertek Testing Services Shenzhen Ltd, Report No. 190821015SHF-001, dated 10/09/2019.

A4 Manufacturer and manufacturing plant(s)

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

A5 Installation requirements

The Installation of Ekodeck Decking must be in strict accordance with the following appropriate guides:

- [Ekodeck Decking Designer Series Installation Guide, V9.24](#)
- [Ekodeck Decking Maxiboard Installation Guide, V9.24](#)
- [Ekodeck Decking Flame Fighter Installation Guide, V9.24.](#)

A6 Other relevant technical data

Fire Hazard Properties

This test was performed in accordance with AS/NZS 1530.3:1999 Methods for fire tests on building materials, components and structures. Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release with the following results:

		Ekodeck Decking Designer Series	Ekodeck Maxiboard	Ekodeck Flame Fighter
Ignitability index	(Range 0 to 20)	9	8	9
Spread of flame index	(Range 0 to10)	3	1	3
Heat evolved index	(Range 0 to 10)	10	7	10
Smoke developed index	(Range 0 to 10)	8	7	8
Ignitability index	(Range 0 to 20)	9	8	9

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Structural reliability, A5G3(1)(e). Reports from a Professional engineer.
2. Slip Resistance Properties, A5G3(1)(d). Reports from Accredited Testing Laboratories.
3. Fire Hazard Properties, A5G3(1)(d). Reports from Accredited Testing Laboratories.
4. Bushfire Attack Level Properties, A5G3(1)(d). Reports from Accredited Testing Laboratories.

B2 Reports

1. The below reports outline the compliance of the Ecodeck Decking in relation to the structural reliability as required by B1P1 and H1P1.
 - a. Acronem Consulting Australia Pty Ltd, Report No. ACA230825 240926, dated 26/09/2024.
 - b. Acronem Consulting Australia Pty Ltd, Report No. ACA230827 240926, dated 26/09/2024.
 - c. Acronem Consulting Australia Pty Ltd, Report No. ACA230826 240926, dated 26/09/2024.
2. The below reports outline the compliance of the Ecodeck Decking in relation to the Slip Resistance Properties as required by D3D11, D3D14, D3D15 and H5D2.
 - a. Intertek Testing Services Shenzhen Ltd., CNAS Accreditation L1401, Report No. 220726006SHF-005, dated 05/09/2022
 - b. Intertek Testing Services Shenzhen Ltd., CNAS Accreditation L1401, Report No. 220222002SHF-001, dated 24/03/2021
 - c. SGS-CSTC Standards Technical, CNAS Accreditation L3742, Report No. XMIN2410001991CM02_EN, dated 1/11/2024
 - d. ATTAR Pty Ltd, NATA Accreditation 2735, Report No. 17283.11, dated 19/11/2021
 - e. ATTAR Pty Ltd, NATA Accreditation 2735, Report No. 17283.9, dated 19/11/2021
3. The below reports outline the compliance of the Ecodeck Decking in relation to the Fire Resistance Properties as required by C2D11.
 - a. Intertek Testing Services Shenzhen Ltd., CNAS Accreditation L1401, Report No. 201020010SHF-002 dated 09/11/2020.
 - b. SGS-CSTC Standards Technical, CNAS Accreditation L4743, Report No. XMIN2110010802CM, dated 15/02/2022.
 - c. Intertek Testing Services Shenzhen Ltd., CNAS Accreditation L1401, Report No. 201020010SHF-002, dated 09/11/2020.
4. The below reports outline the compliance of the Ecodeck Decking in relation to the Bushfire Attack Level Properties as required by G5D3 & H7D4.
 - a. Intertek Testing Services Shenzhen Ltd, CNAS Accreditation L1401, Report No. 190821015SHF-001, dated 10/09/2019

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