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Richard Donarski – CMI



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Date of issue: 05/07/2023

Date of expiry: 20/07/2026



Certificate number: CM40002

THIS IS TO CERTIFY THAT

Plasmite™ Reticulation Anti-Termite Management System

Type and/or use of product:

Chemical and Physical Termite Management System.

Description of product:

Plasmite™ Reticulation Chemical & Physical Anti-Termite Management System. Refer A2.

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

BCA 2022

Volume One
Performance Requirement(s): Not Applicable

Deemed-to-Satisfy Provision(s): B1D4(i) Termite Risk Management – Where a primary building element is subject to attack by subterranean termites

State or territory variation(s): NT B1D4(i)

Volume Two
H1P1(2)(o) Structural stability and resistance – termite actions
Not Applicable
QLD H1P3

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

Limitations and conditions:

- The Plasmite™ Reticulation Anti-Termite Management System can be used to protect against the species *Mastotermes darwiniensis* provided that the concentration of the Termiticide is increased in accordance with the Plasmite™ Termiticide and Insecticide Label recommendations.
- Only to be installed by a Licenced pest control operator in accordance with relevant state and territory regulations.
- Concrete slabs on ground must be constructed in accordance with AS 2870-2011 and/or AS 3600:2018 as applicable.
- Sand/soil/crusher dust/loam must be absorbent material to bond with the Plasmite Termiticide Insecticide. A minimum depth of 50mm of this absorbent material is required as part of the barrier system. (Clay soil sites will require the import of absorbent material to meet the 50mm minimum thickness specification.) As per Plasmite Termiticide Insecticide Label Requirements.
- In Queensland, in the absence of a concrete cover strip as identified in Part 3.4.1(6)(b) of the ABCB Housing Provisions for QLD, the Plasmite™ Reticulation Anti-Termite Management System shall be identified by advisory signs fixed no greater than 10m maximum apart warning of the presence of the reticulation system.
- A durable notice installed in accordance with B1D4(i)(ii), including NT variation or Part 3.4.3 of the ABCB Housing Provisions where it must be affixed in a prominent location(s) to the building, such as the meter box or the like.
- Inspections must be undertaken in accordance with recommendations as outlined in AS 3660.2:2017 or AS 4349.3-2010.
- The long term effects of the Plasmite™ Termiticide and Insecticide have been assessed showing no adverse effect to any of the components. A minimum 50 year design life has been validated against the components of the system, with the Termiticide being easily and readily replenishable.
- 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.

Building classification/s:

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



Certificate of Conformity

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

The components of the Plasmite™ Reticulation Anti-Termite Management System are tabled below.

Component	Description	Use
Plasmite™ Termiticide	Bifenthrin 100g/L, N-Methyl-2-Pyrrolidone 50g/L & Liquid Hydrocarbon 562g/L - APVMA Registration: 58893	Termiticide
Injection fittings	Chemical resistant plastic reticulation fitting: • T piece; • Joiner; and • Pipe fitting.	Jointing reticulation piping.
Red and yellow injection pipe	Chemical resistant 6mm Polyethylene piping with holes every 150mm.	Used to deliver chemical Termiticide to the soil substrate.
Black feeder line	Chemical resistant 6mm Polyethylene piping with no holes.	Used to deliver chemical Termiticide to the red and yellow injection pipe.
End stops	Chemical resistant Polyethylene plugs.	Used to cap the end of the red and yellow injection line.
Child-proof injection ports	Chemical resistant Polyethylene housing: • In ground/concrete; and • In wall.	In ground/concrete housings used to house the injection lines from the elements and children.
Plasmite™ Reticulation Blanket	Upper layer Polyethylene coated geotextile membrane film 200um thick heavy grade. Yellow or Grey in Colour	Protective cover over the injection pipe.
Weepa Wall Ports	Moulded PVC wall insert.	Allow easy access to injection points for the initial injection of Termiticide and the replenishment of Termiticide as required.
PVC Collars	UV stabilised PVC collar with a Shore D Hardness greater than 80.	Used to provide protection from concealed entry by termites around pipe penetrations through the concrete slab.
Plasmite™ Blanket Collar	Upper layer Polyethylene coated geotextile membrane film 200um thick heavy grade. Yellow or Grey in Colour	Protective cover around pipes.
Plasmite™ Foam	Non-Biodegradable construction foam.	Used to fill gaps and voids in the mortar walls.
PVC brick caps	UV stabilised PVC brick wall injection pods.	Allow easy access to injection points for the initial injection of Termiticide and the replenishment of Termiticide as required.
Plasmite™ Geotextile	Non-woven geotextile 2mm thick - density 48 - 200g/sqm - membrane.	Protective cover over the injection pipe.
Plasmite™ PVC Brick Capping	PVC	Capping
Plasmite™ Aluminium Capping	0.5mm Aluminium	Capping
Plasmite™ Termifilm	Termite Film	For use in capping brick work instead of Plasmite™ Reticulation Blanket, where applicable



Certificate of Conformity

A3 Product specification

Plasmite™ Reticulation Anti-Termite Management System meets the relevant requirements of both AS 3660.1:2014 & AS 3660.3:2014.

A4 Manufacturer and manufacturing plant(s)

Creepy Crawly Pest Control Pty Ltd
41 Wilkinson Street
Toowoomba Qld 4350.

A5 Installation requirements

The Plasmite™ Reticulation Anti-Termite Management System is installed in accordance with the [Plasmite Reticulation Anti Termite Application System Installation Injection Manual Version 15](#)

Annual inspection is to be carried out to ensure there has been no breaching of the system.

A6 Other relevant technical data

No other relevant technical data

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Termite Management Provisions A5G3(1)(e)&(f). Reports from appropriately qualified people and other documentary evidence.

B2 Reports

1. Australian Timber & Pest Research Pty Ltd; Technical opinion on the compliance with the requirements of AS 3660.1 & AS 3660.3 2014; Dated 05/05/2020.
2. Australian Timber & Pest Research Pty Ltd; Technical opinion – Concrete Covers Strips - QLD Variation; Dated 15/03/2021.
3. Dr French: Report on comparison AS 3660.1 & AS 3660.3 2000/2014; Dated November 2016.
4. Aluimage International Incorporating Duragraphics Pty Ltd; Letter regarding Durable Notices; Dated 21/07/2004.
5. APVMA Registration 58893 for Plasmite Termiticide and Insecticide.
6. CSIRO Appraisal; Technical Assessment 319 ISSN 1442-2743 for the Plasmite™ Reticulation System; Dated August 2005.
7. Ecospan Consulting Services Pty Ltd; Letter of Service Life of Foam for the Plasmite Reticulation System; Dated 29/03/2011.
8. Ecospan Consulting Services Pty Ltd; Report of laboratory & field evaluation of Plasmite Reticulation System; Dated 22/09/2004.
9. Ecospan Consulting Services Pty Ltd; Evaluating the persistence and bioavailability of bifenthrin; Dated 24/09/2007.

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