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Certificate Holder:

**TMA Corporation
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Certificate of Conformity

Certificate number: CM30079 Rev 3

THIS TO CERTIFY THAT

TM7

Type and/or use of product:

Termite management system – mesh sheeting.

Description of product:

TM7 comprises:

- Stainless steel mesh and nominally 26 wires per inch by 26 wires per inch laminated between 2 layers of plastic.
- Termiparge Gel: a specialty termite resistant silicone sealant and adhesive.
- Termistop or Termiflange: a stainless steel collar, with stainless steel clamps to be used on penetrations.
- Durable notice.

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

BCA (2019)

	Volume One		Volume Two	
Performance Requirement(s)	BP1.1 (b)(xv)	Termite actions	P2.1.1 (b)(xv)	Termite actions
Deemed-to-Satisfy Provision(s):				
State or territory variation(s):			QLD P2.1.3	

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.

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.

The purpose of Global-Mark **construction site audits** is to confirm the practicability of installing the product; and to confirm the appropriateness and accuracy of installation instructions. In placing the **CodeMark mark** on the product/system, the certificate holder makes a declaration of compliance with the certification standard(s) and confirms that the product is identical to the product certified herein. In issuing this Certificate of Approval Global-Mark has relied on the **expertise of external bodies** (laboratories, and technical experts).

Herve Michoux
Global-Mark Managing Director

Peter Gardner
Unrestricted Building Certifier

Date of issue: 13/10/2020

Date of expiry: 07/04/2023



Certificate of Conformity

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. When used as a termite barrier in conjunction with a concrete slab, the slab must be designed and constructed according to AS 2870: 2011 or AS 3600: 2018.
2. When used as a termite barrier in masonry walls, the mortar joint under the barrier shall be full (have no gaps or porosity to provide an inspection zone).
3. Product must be installed by Termimesh accredited installers (holder of a current Accredited Installer Card).
4. A durable notice shall be installed in accordance with NCC Volume One: B1.4 (i)(ii) and NT B1.4(i)(iii) and NCC Volume Two: 3.1.4.4, and must be permanently fixed to the building.
5. Product does not provide protection against *Mastotermes darwiniensis*.

Building classification/s: Unlimited

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

Refer to page 1 of this Certificate.

A2 Description of product

Refer to page 1 of this Certificate.

A3 Product specification

Specification is contained in the TM7 Installation and Reference Manual Version 4, February 2017.

TM7 is a stainless steel mesh sandwiched between two plastic PVC layers. The stainless steel mesh is woven from 0.17 mm diameter wire to achieve 26 x 26 wires per inch in each direction for an aperture size of 0.8 x 0.8 mm.

TM7 is 400 microns thick and has a mass of 580 kg/m².

Termiparge Gel is a proprietary sealant used to bond TM7 to masonry and concrete and to seal laps in TM7.

A4 Manufacturer and manufacturing plant(s)

Siam Wire Netting Co Ltd, Northern Region Industrial Estate 89/2 Moo 4, Highway No. 11 Tambol Banklang, Amphur Muang Lamphun 51000 Thailand.

A5 Installation requirements

Refer to the TM7 Installation and Reference Manual Version 4, February 2017 for full requirements, installation details and sequence.

Concrete surfaces shall be cleaned free of dust and tested for residue. If any cement dust residue is present, the surface shall be primed with Tremco SB Primer.

Termiparge Gel shall be applied in an 8-10 mm bead to achieve a minimum 25mm width of bond to the TM7 when it is placed over and tooled down.

When used as a termite barrier in full masonry, cavity masonry or masonry veneer walls, the edge of the mesh shall be expressed to the outside surface or no less than 5 mm embedded of the mortar or the finished render.

A6 Other relevant technical data

Nil.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

The following assessment methods have been used to determine compliance with NCC 2019:

Code Clause	Assessment Method(s)	Evidence of suitability	Evidence reference in B2
BP1.1 (b)(xv)	Volume One A2.2(2)(a)	Volume One A5.2(1)(d) – Report issued by a registered testing authority	Item 1 and Item 2
P2.1.1 (b)(xv)	Volume Two A2.2(2)(a)	Volume Two A5.2(1)(d) – Report issued by a registered testing authority	Item 1 and Item 2
BP1.1 (b)(xv)	Volume One A2.2(2)(a)	Volume One A5.2(1)(e) – Certificate from a professional engineer	Item 3
P2.1.1 (b)(xv)	Volume Two A2.2(2)(a)	Volume Two A5.2(1)(e) – Certificate from a professional engineer	Item 3
BP1.1 (b)(xv)	Volume One A2.2(2)(a)	Volume One A5.2(1)(e) – Reliance on a report from an appropriately qualified person, Brenton Peters, who undertook testing and assessment of the TM7 system	Item 4, Item 5, Item 6 and Item 7
P2.1.1 (b)(xv)	Volume Two A2.2(2)(a)	Volume Two A5.2(1)(e) – Reliance on a report from an appropriately qualified person, Brenton Peters, who undertook testing and assessment of the TM7 system	Item 4, Item 5, Item 6 and Item 7

B2 Reports

The following reports have been used as evidence to determine compliance with NCC 2019:

Ref	Author	Reference	Date	Description	NATA (or equivalent) Registration
1	David Ansard and Ivan Paulmier, FCBA	Report No. 401/12/063F	23/07/2012	FCBA Test report on a laboratory bioassay that tested the effectiveness of TM7 as a physical barrier against penetration by subterranean termites (<i>Reticulitermes flavipes</i>)	Cofrac Essais Laboratoire Accredite Sous Le No. 1-0201
2	Norbert Tholl, <i>tecnotest ag</i>	Test Report A4056-03	30/07/2012	Tests conducted on some of the physical characteristics of TM7	Swiss Testing STS 102
3	Goran Simundic Dept of Civil, Surveying and Environmental Engineering, the University of Newcastle, NSW	The Shear Capacity of TM7 – The Termite Barrier	08/2013	Test report on an experimental investigation into the shear capacity of TM7 when placed into masonry test units	Not Applicable
4	Brenton Peters Brenton Peters Consulting	Expert Opinion on TM7 Conforming to the Building Code of Australia	4/10/2013	Expert Judgment on TM7 as a Building Solution and Expert Opinion on Narrow Visual Clearance Widths	Not Applicable
5	Brenton Peters Brenton Peters Consulting	TM7 Completion Report	30/07/2015	Resistance of TM7 to Penetration by Subterranean Termites in the Field	Not applicable
6	Brenton Peters Brenton Peters Consulting	Expert Opinion on TM7 Complying with Requirements of AS 3660.3	14/03/2017	Expert opinion on the compliance of TM7 with 2014 edition of AS3660.3.	No applicable
7	Brenton Peters Brenton Peters Consulting	Expert Opinion on Termimesh Conforming to the National Construction Code	7/2/2018	Expert Opinion on Termimesh Conforming to the National Construction Code, including confirmation of acceptability of mesh placement to outer edge of mortar in brickwork.	Not applicable