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Certificate Holder:

**TMA Corporation
Pty Ltd**
48 Century Road,
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Certificate of Conformity

Certificate number: CM30012 Rev 3

THIS TO CERTIFY THAT

Termimesh System™ TM2

Type and/or use of product:

Termite management system – mesh sheeting.

Description of product:

The Termimesh System TM2 is a physical termite barrier system comprising:

- **TM2:** a stainless steel mesh woven from nominally 0.18mm diameter wire to achieve either:
 - nominal 40 X 30 wires per inch in cross direction for an approximate aperture size of 0.66 X 0.45mm – for areas with *Heterotermes vagus*; or,
 - nominal 40 X 40 wires per inch in cross direction for an approximate aperture size of 0.45 X 0.45mm – required for protection against *Heterotermes vagus*.

The wire is designated either TMA600, SAWA-TM7 or TMA 725 and has properties at least equivalent to grade 316 stainless steel. The mesh is made in various widths and supplied in 30m length roles.
- **Termiparge:** parging mixture – special purpose adhesive cement used to bond the mesh to concrete, masonry or other termite resistant substrates.
- **Termistop:** a prefabricated stainless steel mesh collar, with stainless steel clamps, to be used on slab penetrations.
- **Termibond:** an epoxy adhesive.

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: 07/04/2020

Date of expiry: 07/04/2023



Certificate of Conformity

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	
SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B				
<p>Limitations and conditions:</p> <ol style="list-style-type: none"> 1. Limited only to actions by subterranean termites. 2. Installed by Termimesh accredited installers (holder of a current Accredited Installer Card). 3. Product installation shall be carried out in accordance with the Termimesh System Training and Reference Manual dated July 2016 and the specification details as listed in the version 5 index dated January 2018. 4. The durable notice 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 must be permanently fixed to the building in a prominent location, such as a meter box or the like indicating: <ol style="list-style-type: none"> i. The method of termite risk management; and ii. The date of installation of the termite management measure; and iii. The manufacturer's recommendations for the scope and frequency of future inspections for termite activity. 5. 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. 6. When used as a termite barrier in masonry walls, the mortar joint under the barrier shall be full (have no gaps nor porosity to provide an inspection zone). 				<p>Building classification/s: Unlimited</p>

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

Full product specification is contained in the Termimesh System Training and Reference Manual dated July 2016, and the specification details as listed in the version 5 index dated January 2018.

Refer to the Certificate Holder for Product Data Sheets and Material Safety Data Sheets.

TM2 is a stainless steel mesh woven from nominal 0.18 mm diameter wire to achieve either:

- Nominal 40 x 30 wires per inch in cross directions for an aperture size of approximately 0.66 x 0.45 mm – for areas without *Heterotermes vagus*; or,
- Nominal 40 x 40 wires per inch in cross directions for an aperture size of approximately 0.45 x 0.45 mm – required for protection against *Heterotermes vagus*.

The wire is designated either TMA600, SAWA-TM7 or TMA725 and has properties at least equivalent to grade 316 stainless steel. The mesh is made in various widths and is supplied in 30m length rolls.

Termiparge is a proprietary adhesive cement used to bond TM2 to masonry and concrete surfaces. Termiparge cement is created by combining the dry and liquid components as directed. These components are as follows: Termiparge Fastest Dry, Termiparge Fastest Liquid, Termiparge Standard Dry, and Termiparge Standard Liquid

Termistop is a prefabricated collar formed from the TM2 stainless steel mesh and, in conjunction with supplied Termimesh clamps, is used to seal around pipe and cable penetrations in slabs. Termistop is either embedded in the slab, or bonded to the slab surface using Termiparge. Termistop may also be fabricated on-site.

Termibond is a two-part epoxy compound (K-401 Part A and Part B) used to bond TM2.

Termitape is an accessory item used as signage on service penetration installations to indicate the presence of Termistop to following trades.

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 Termimesh System Training and Reference Manual dated July 2016, and the specification details as listed in the version 5 index dated January 2018.

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.

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

Any referenced documents within the technical literature identified in Appendix A, A3 and Appendix A, A5.

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(i)(e) – Certificate or report from a professional engineer or other appropriately qualified person	Items 1 to 12
P2.1.1 (b)(xv)	Volume Two A2.2(2)(a)	Volume Two A5.2(i)(e) – Certificate or report from a professional engineer or other appropriately qualified person	Items 1 to 12

B2 Reports

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

Ref	Author	Reference	Date	Description	NATA Registration
1	G.W. Richardson and L.C. Yap Department of Mines Western Australia	90T368	25/02/1991	Accelerated Corrosion Test	N/A
2	M. Lenz and S. Runko CSIRO Division of Entomology	Report No.: 92/17	16/12/1992	The Resistance of TERMI-MESH to Penetration by Subterranean Termites in the Field – Second Report	N/A
3	M. Lenz and S. Runko CSIRO Division of Entomology	Termite Group Report No. 94/18 Ref.: HS 9/2/27	23/09/1994	The Termite Resistance of a Parging Material for Bonding Stainless Steel Mesh to Concrete: Field Trial in Tropical Australia	N/A
4	Calmarc Chemicals	Letter	23/08/1994	Properties of TERMI-PARGE Concentrate (T.P.C.)	N/A
5	M. Marosszeky The Building Research Centre The University of New South Wales	-	14/10/1994	Technical Assessment of Termi Mesh Termite Barrier	N/A
6	M. Lenz and S. Runko CSIRO Division of Entomology	Termite Group Report No. 95/15 File No.: HS 9/2/27	16/09/1995	The Resistance of Stainless Steel Mesh (TERMI-MESH) to Attack by Subterranean Termites after Four to Five Years of Field Exposure: Assessment at Darwin in Northern Tropical Australia	N/A
7	J. Carrick Building Research Centre Unisearch Limited University of New South Wales	-	March 1996	Evaluation of the Parged Joint used in the “TERMI-MESH” Termite Barrier System	N/A
8	J. Carrick Building Research Centre Unisearch Limited University of New South Wales	-	August 1997	Report on Testing of Termite Barriers Around Pipe Penetrations Through a Concrete Slab	N/A

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Ref	Author	Reference	Date	Description	NATA Registration
9	J. Carrick Unisearch Limited	Job No. 35917	6/11/1998	New Installation Method for Protection of Slab Penetrations Against Subterranean Termites	N/A
10	G. Simundic The University of Newcastle Research Associates Limited	Project No.: A/213	January 2001	The Shear Capacity of Termi Mesh System	N/A
11	G. Sussex Sussex Materials Solutions Pty Ltd	-	15/12/2007	Corrosion Resistance of TMA 725 material used to manufacture Termimesh	N/A
12	B. Peters Brenton Peters Consulting	-	7/2/2018	Expert Opinion on Termimesh Conforming to the National Construction Code	N/A