



Certificate of Conformity

Certificate number: CM20008

Certification Body:



SAI Global Certification Services
Pty Limited

(ACN 108 716 669) Trading as "SAI
Global"

JAS-ANZ Accreditation No.
Z1440295AS

Address: 680 George Street,
Sydney, NSW 2000

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Certificate Holder:



Ensystex Australasia Pty Ltd

ABN: 53 102 221 965

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2144

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THIS TO CERTIFY THAT

TRITHOR , SMARTFILM and Flickguard Termite Protection System(s)

Type and/or use of product:

A termite management system used to deter concealed subterranean termite entry into buildings.

Description of product:

TRITHOR Termite Protection consists of an inner core layer that is impregnated with Deltamethrin and laminated top and bottom with a LDPE plastic membrane; top (blue) and bottom (yellow).

SMARTFILM Termite Protection consists of an inner core layer that is impregnated with Deltamethrin and laminated top and bottom with a LDPE plastic membrane; top (green) and bottom (white).

Flickguard Termite Protection consists of an inner core layer that is impregnated with Deltamethrin and laminated top and bottom with a LDPE plastic membrane; top (green) and bottom (red).

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

BCA 2016

	Volume One	Volume Two
Performance Requirement(s)	BP1.1(a), Structural reliability (termite actions) (b) (xv)	P2.1.1(a), Structural stability and resistance (termite actions) (b)(xv)
	BP1.2 Structural resistance (termite actions)	
State or territory variation(s):	Nil	QLD Structural stability and resistance P2.1.3

Nicole Grantham – General Manager SAI Global
Certification Services

George Petrovski – Unrestricted Building Certifier

Date of issue: 06/09/2017

Date of expiry: 12/01/2020





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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. The Clauses of the BCA listed above are limited only to the actions by termites.
2. When used in conjunction with a concrete slab, the slab must be constructed in accordance with the requirements of AS 2870-2011 Residential slabs and footings or AS 3600-2009 Concrete Structures (Amendment No.1 and No.2).
3. TRITHOR Termite Protection, SMARTFILM Termite Protection and Flickguard Termite Protection must have the required inspection zones as outlined in the respective product technical manuals (listed below).
4. Inspections must be undertaken annually as outlined in the TRITHOR Termite Protection Technical Manual, SMARTFILM Termite Protection Technical Manual or the Flickguard Technical Manual as appropriate to assist with identifying any termite activity that may result in the bridging or breaching of the system.

Notes:

- I. The installation of any termite management system cannot guarantee 100% protection against infestation by subterranean termites. Thus, the installation of a system does not negate the need for regular competent inspections. Any additions, alterations, or earth works, including gardening adjacent to the building, may render the system ineffective. Such activity should be referred to a licensed installation contractor for appropriate advice and treatment.
- II. The use of this product as a vapour barrier or damp proof course is outside the scope of this assessment and has not been considered.
- III. Any additional treatment should be done in accordance with the relevant State or Territory regulations.

Building classification/s:

Class 2 to Class 9 buildings and
Class 1 and Class 10 buildings

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.



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APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

See type and/or use of product on page 1

A2 Description of product

See type and/or use of product on page 1

A3 Product specification

The product specifications are contained within the following manuals;

1. Ensysrex Australia Pty Ltd – TRITHOR Termite Protection Technical Manual (Version - TPM 7.01 02.17)
2. Ensysrex Australia Pty Ltd – SMARTFILM Termite Protection Technical Manual (Version – TPM 7.01 02.17)
3. Ensysrex Australia Pty Ltd – Flickguard Technical Manual (Version - TPM 7.01 02.17)

A4 Manufacturer

Ensysrex Australasia Pty Ltd Unit 3, The Junction Estate, 4 - 6 Junction St, Auburn, Sydney, NSW, 2144

A5 Installation requirements

1. The TRITHOR Termite Protection system must be installed in accordance with the TRITHOR Termite Protection Technical Manual (Version - TPM 7.01.02.17).
2. The SMARTFILM Termite Protection system must be installed in accordance with the SMARTFILM Termite Protection Technical Manual (Version - TPM 7.01.02.17).
3. The Flickguard Termite Protection system must be installed in accordance with the Flickguard Technical Manual (Version - TPM 7.01.02.17).
4. The TRITHOR Termite Protection blanket must be placed with the blue layer on top (upwards).
5. The SMARTFILM Termite Protection blanket must be placed with the green layer on top (upwards).
6. The Flickguard Termite Protection blanket must be placed with the green layer on top (upwards).



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7. TRITHOR Termite Protection, SMARTFILM Termite Protection and Flickguard Termite Protection must have the required inspection zones as outlined in the respective product technical manuals (listed below).
8. Service penetrations shall be protected with either TRITHOR Collars or TRITHOR Tubes, or SMARTFILM Collars or SMARTFILM Tubes, or Flickguard Collars or Flickguard Tubes as outlined in the respective manuals.
9. When used in conjunction with a concrete slab, the slab must be constructed in accordance with the requirements of AS 2870-2011 Residential slabs and footings or AS 3600-2009 Concrete Structures (Amendment No.1 and No.2).

A6 Other relevant technical data

1. Ensystex Australia Pty Ltd - Compliance of TRITHOR Termite Protection with Clause P2.1.1 of the Building Code of Australia 2016 E-Label application from APVMA 17/11/2015 Approval number 59139/104115.
2. Ensystex Australia-Trithor Termite Protection– Material Safety Data Sheet (August 2006):



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APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

The system has been assessed as complying with the identified Performance Requirements of the BCA 2016. This involved a review of product specifications, test reports, installation manuals, and associated documentation.

1. Structural assessment (termite actions) – A2,2(a)(vi) Other documentary evidence and A0.5(c) Report from an appropriately qualified person.
2. Structural assessment (durability) – A2,2(a)(vi) Other documentary evidence and A0.5(c) Report from an appropriately qualified person.

In addition; SAI Global CODEMARK Recertification Evaluation Report dated 17/02/2017, Re-Certification / Surveillance audit for Ensystex Australasia Pty Ltd: dated 25/10/2016 and Site inspections dated 20/02/2017 which include assessments of the following;

- a) The Manufacturing details
- b) Operating and Maintenance procedures and
- c) The installation procedures

B2 Reports

1. Australian Pesticides and Veterinary Management Authority (APVMA) – Labels for the TRITHOR Termite Protection: APVMA Approved Label 56178. NRA Number 59139. APVMA Approved Label 56178. NRA Number 59139.
2. Australian Pesticides and Veterinary Management Authority (APVMA) – Labels for the SMARTFILM Termite Protection: APVMA Approved Label 0607. NRA Number 61650. APVMA Approved Label 0607. NRA Number 61650.
3. Australian Pesticides and Veterinary Management Authority (APVMA) – Approval for Flickguard: APVMA Approved No. 59139/104115. APVMA Approved No. 59139/104115.
4. PGR International Pty Ltd – Third Progress Report on the Long-term Stability Testing of TRITHOR Termite Protection Blanket Samples, Report No. PGR0567-A, Version 4 (December 10th 2007).
This report concludes that the deltamethrin levels in the TRITHOR blanket are sufficient to meet the 50 year design life specified by Ensystex.
5. Letter to APVMA re Trithor Termite Protection System 59139/35071 (19th December 2005)



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This letter confirms that the field testing of the Trithor Termite Protection System that was contained in the application for Australian registration was conducted using the blanket material as manufactured for Ensystex Australia Pty Ltd. This letter confirms that the field testing of the Trithor Termite Protection System that was contained in the application for Australian registration was conducted using the blanket material manufactured by Albany International Pty Ltd and is supplied to Ensystex Australia Pty Ltd.

6. Ensystex Australia-Trithor Termite Protection– Material Safety Data Sheet (August 2006): This Materials Safety Data Sheet contains safety related information for the blanket product.
7. New South Global, The University of New South Wales – TRITHOR Total Termite Protection for Ensystex Australia, Report No. J069121 (27th November 2006).
This report is an expert technical opinion on Trithor Termite Protection. It is the opinion of the author of the report that the Trithor Termite Protection Barrier System has been tested in accordance with AS 3660.3-2000; has successfully demonstrated during these tests that it can provide an efficient termite barrier system; has demonstrated that the design of the system and the choice of the active ingredient of the termiticide incorporated have imparted considerable stability to the system; if installed in accordance with the Ensystex Product Reference Manual, will provide an effective termite barrier in accordance with AS3660.1-2000 and AS 3660.2-2000 and would satisfy the requirements of the Building Code of Australia (BCA) for the protection of new buildings from termites.
8. PGR Australia Pty Ltd –Stability Data for the TRITHOR Termiticide Protection Blanket based on the Termiticide Deltamethrin (APVMA APP Number 58723), Project No. PGR 304 (March 30th 2005)
This report concludes following stability testing the deltamethrin is stable in the Trithor Termite Protection Blanket matrix after heating at 54°C for 2 weeks and no degradation in the field should occur.