



Certificate of Conformity

Certificate number: CM20096

Certification Body:



SAI Global Certification Services Pty Limited

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

JAS-ANZ Accreditation No. Z1440295AS

Address: 680 George St, Sydney, NSW 2000

Website: www.saiglobal.com

Certificate Holder:



JH Envirtech Pty Ltd

ABN: 36 163 906 241

Suite 40, L2, No,89-97 Jones St, Ultimo NSW, 2007

Phone: 02 9564 2199, www.jhenvirtech.com.au

THIS TO CERTIFY THAT

JH Termite Barrier

Type and/or use of product:

A termite management system to deter concealed subterranean termite entry into buildings. It may also be used as a damp proof course to prevent moisture from the ground entering into a building.

Description of product:

1. JH Termite Barrier Fibre blanket with Deltamethrin incorporated and laminated to LDPE on both sides. Used in full underslab termite management installations and in perimeter (cavity) termite management installations and critical joints.
2. JH Termite Barrier Collars and Tubes, Fibre blanket with Deltamethrin incorporated, laminated to LDPE on both sides and formed into the shape of collars. Used as a termite management system for penetrations.

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

BCA 2016

	Volume One		Volume Two	
Performance Requirement(s)	BP1.1(a), (b) (xv)	Structural reliability (limited to termite actions)	P2.1.1(a), (b)(xv), (c)	Structural stability and resistance (limited to termite actions)
	BP1.2	Structural resistance (limited to termite actions)	P2.2.3	Dampness
	FP1.5	Rising damp		
Deemed-to-Satisfy Provision(s):	NA	NA	NA	NA
State or territory variation(s):	SA FP1.5	Rising damp	QLD P2.1.3	Structural stability and resistance (limited to termite actions)
			SA P2.2.3	Dampness
			NSW P2.2.3	Dampness

Certification Body name and signature

Nicole Grantham – General Manager SAI Global Certification Services

Unrestricted Building Certifier name and signature

Brian Cameron – Unrestricted Building Certifier

Date of issue: 25-01-2018

Date of expiry: 25-01-2021



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 in conjunction with a concrete slab the concrete 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.2).
2. Inspections are undertaken annually as outlined in the JH Termite Barrier Installation Manual 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. 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.

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

The product specifications are contained within the following manual(s):

- JH Envirtech Pty Ltd – JH Termite Barrier Installation Manual (Version – JHTBM 1.19.01.2018).

A4 Manufacturer and manufacturing plant(s)

JH Envirtech Pty Ltd – Suit 40, L2, No 89-97 Jones St Ultimo, NSW, 2007 and Yixing Geotexor Eco-Material Co Ltd (Formerly: Jiangsu Jinhong Geosynthetics Co., Ltd).

A5 Installation requirements

Refer to Page 2 of this certificate and the following;

1. The JH Termite Barrier system is to be installed by JH Termite Barrier authorised operators trained by a JH Termite Barrier Accredited trainer and registered with JH Envirtech Pty Ltd.
2. The JH Termite Barrier system is to be installed in accordance with the JH Termite Barrier Installation Manual (Version – JHTBM 1.19.01.2018).
3. The JH Termite Barrier blanket is to be placed with the green layer on top (upwards).
4. When used as part of a termite management system, the JH Termite Barrier system must be located to create an appropriate inspection zone.
5. When used as a damp proof course, the JH Termite Barrier system must be located to ensure the required clearances above the external surrounding surfaces are achieved.
6. Across perimeter cavities, the blanket is to be affixed to the concrete slab using appropriate nails spaced at 300-400mm intervals. The location of the DPC and weep hole shall be in accordance with the BCA.

A6 Other relevant technical data

- APVMA registration of Jinhong Termite Protection Barrier system (JH Termite Barrier), Date of registration 26th November 2015, Approval number 80846/101770.
- JH Envirtech Pty Ltd – Service Declaration (Dated 7th December 2017).

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) – Vol 1; A0.5(c) and Vol 2; 1.0.5(c) – Expert Judgement; and Vol 1; A2.2(a)(vi) and Vol 2; 1.2.2(a)(vi) Other documentary evidence.
2. Structural assessment (durability) – Vol 1; A0.5(c) and Vol 2; 1.0.5(c) – Expert Judgement; and Vol 1; A2.2(a)(vi) and Vol 2; 1.2.2(a)(vi) Other documentary evidence.
3. Structural stability and resistance (termite actions) – Vol 1; A0.5(c) and Vol 2; 1.0.5(c) – Expert Judgement; and Vol 1; A2.2(a)(vi) and Vol 2; 1.2.2(a)(vi) Other documentary evidence.
4. Rising damp – Vol 1; A0.5(a) and Vol 2, 1.0.5(a) – Supporting Evidence; and Vol 1, A2.2(a)(i) and Vol 2; 1.2.2(a)(i) – Report issued by a Registered Testing Authority.

B2 Reports

1. Australian Pesticides and Veterinary Management Authority (APVMA) – Registration for JH Termite Barrier (formerly Jinhong Australia Pty Ltd) APVMA Approval Number 80846/101770 registration date 26 November 2015:
APVMA registration of a chemical product and approval and specifies the active constituents of the chemical product being deltamethrin.
2. Australian Pesticides and Veterinary Management Authority (APVMA) – Labels for JH Termite Barrier (formerly Jinhong Australia Pty Ltd) APVMA Approval Number 80846/101770.
APVMA notice of registration of a chemical product and label approval and specifies the active constituents of the chemical product being deltamethrin.
3. Australian Pesticides and Veterinary Management Authority (APVMA) – Notice of Decision (Dated 26th November 2015):
This Notice of Decision recognises the minor change to the formulation and the manufacturing process of the product.
4. Further Research and Consulting – Trial Report, Field Trial to Test JH Termite Barrier (2g/kg deltamethrin) against various subterranean termite species in Tropical Australia (dated 24th May 2017):
This report is for the results after 2 years field trials at two locations near Townsville, Queensland. This report concludes that the results indicate the active ingredient in the JH Termite Barrier product is working to repel termites and protect the timbers inside from damage in the long term.
5. PGR International Pty Ltd – Letter of Confirmation dated 5th March 2015 on the Final Report No. PGR 0711-1 Version 1 (Dated 16th October 2014) on the Long-term Stability Testing of Jinhong Termite Protection Barrier (JH Termite Barrier):
This document confirms the testing and results of the estimated long-term stability of the deltamethrin active within the Jinhong Termite Protection Barrier product (APVMA Approval Number 69617). The report concludes that the results indicate the Jinhong Termite Barrier product to be efficacious against termite attack to up to 50 years after installation.



Certificate of Conformity

6. CSIRO Infrastructure Technologies – Test Report No. 7257 (Dated 13 May 2015) – Accreditation No: 165

This document provides the testing results of the properties of the Jinhong Termite Protection Barrier as they relate to its use as a damp proof course.