



Certificate of Conformity

Certificate number: CM20133

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:



Green Zone Pty Ltd
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THIS TO CERTIFY THAT

Greenzone Termite & Insect Barrier

Type and/or use of product:

GREENZONE® is a termite & insect barrier technology to deter concealed subterranean termite entry into new buildings and extensions to existing structures.

The GREENZONE® Termite & Insect Barrier system can be used for concrete slab penetrations, construction joints, and expansion joint filler.

Description of product:

GREENZONE® is a termite & insect barrier technology is a termite management system which integrates a compressible foam substrate with bifenthrin. It contains an active ingredient that is dispersed fully throughout the foam roll.

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) BP1.2	P2.1.1(a), (b)(xv), (c)
	Structural reliability (limited to termite actions)	Structural stability and resistance (limited to termite actions)
	Structural resistance (limited to termite actions)	
State or territory variation(s):		QLD P2.1.3
		Structural stability and resistance (limited to termite actions)

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

Limitations and conditions:

- Service penetrations are to be installed as outlined in the respective manuals.
- 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.1 and No.2).

Building classification/s:

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

Nicole Grantham – General Manager SAI Global Certification Services

Brian Cameron – Unrestricted Building Certifier

Date of issue: 11-12-2017

Date of expiry: 11-12-2020





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3. Inspections are undertaken annually as outlined in the GREENZONE® termite & insect barrier Technical Manual to assist with identifying any termite activity that may result in the bridging or breaching of the system.
4. The use of this product as a vapour barrier or damp proof course is outside the scope of this certificate and has not been considered.
5. The GREENZONE® termite & insect barrier system is to be used for its intended purpose.

Notes:

- I. Any additional treatment should be done in accordance with the relevant State or Territory regulations.

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

Refer to Page 1 of this certificate.

A2 Description of product

Refer to Page 1 of this certificate and the following:

1. The purpose of • GREENZONE® Termite & Insect Barrier is to prevent subterranean termites from concealed access. Greenzone Termite & Insect Barrier is not designed as a remedial treatment for existing termite damage.
2. GREENZONE® Termite and Insect Barrier is to be used for slab penetrations and construction joints in combination with a concrete slab acting as physical termite barrier, and/or in combination with other termite management systems as per AS3660.1. When used in combination with a concrete slab acting as a physical barrier, the slab must be poured in accordance with AS2870.1 Residential slabs and footings recommendations

A3 Product specification

The product specifications are contained within the following manual:

- GREENZONE® termite & insect barrier Installation Manual (Version – 3 - October 2017).

A4 Manufacturer and manufacturing plant(s)

Green Zone Pty Ltd – 24c, 479 Warrigal Road, Moorabbin, Victoria 3189, Australia and Yixing Geotexor Eco-Material Co Ltd.

A5 Installation requirements

Refer to Page 2 of this certificate and the following;

1. The GREENZONE® termite & insect barrier is to be installed by Authorised Operators trained and licensed by Green Zone Pty Ltd.
2. The GREENZONE® termite & insect barrier is to be installed in accordance with the latest version of the GREENZONE® termite & insect barrier Installation Manuals Version 3 (October 2017).
This document contains all the relevant information required to install GREENZONE® termite & insect barrier in various locations, applications and configurations.
3. GREENZONE® termite & insect barrier installation manual Version 3 (October 2017) states that the installation must finish at least 100mm above the surrounding finished ground level at the perimeter of the building to create the required inspection zone.
4. Green Zone Pty Ltd – Drawings -1):



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This drawing illustrates the installation methods of the system used in precast concrete wall panel to strip footing detail.

5. Green Zone Pty Ltd – Drawings - 2):

This drawing illustrates the installation methods of the system used in concrete tilt-panel & infill slab detail.

6. Green Zone Pty Ltd – Technical Drawings):

This contains the installation methods of the system in various locations and configurations.

7. Green Zone Pty Ltd – Service Declaration 12 September 2017):

This document describes the confirmation from Green Zone Pty Ltd that the GREENZONE® termite & insect barrier has been designed to achieve a services life of 50 years.

8. Green Zone Pty Ltd – Safety Data Sheet – 17 January 2017):

This document contains information relating to the materials used in GREENZONE® termite & insect barrier.

9. 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.

A6 Other relevant technical data

- GREENZONE® fifty year termite damage warranty/performance claim.
- Efficacy data as accepted by the APVMA – Approval number 82746/106642. Date of registration 4 July 2017.
- Design life of 50 years for GREENZONE® letter by TR Termite Research Pty Ltd dated 30 October 2017.



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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 (limited to termite actions only) – Vol 1; A2.2(a)(vi) and Vol 2; 1.2.2(a)(vi) Other documentary evidence and Vol 1; A0.5(c) and Vol 2; 1.0.5(c) Report from an appropriately qualified person.
2. Structural assessment (durability) – Vol 1; A2.2(a)(vi) and Vol 2; 1.2.2(a)(vi) Other documentary evidence and Vol 1; A0.5(c) and Vol 2; 1.0.5(c) Report from an appropriately qualified person.
3. Structural stability and resistance (limited to termite actions only) – Vol 1; A2.2(a)(vi) and Vol 2; 1.2.2(a)(vi) Other documentary evidence and Vol 1; A0.5(c) and Vol 2; 1.0.5(c) Report from an appropriately qualified person.

B2 Reports

1. Australian Pesticides and Veterinary Management Authority (APVMA) – Labels for the Greenzone Termite & Insect Barrier.
APVMA Approved Label: 106642 Product Number: 82746
2. Eurofins Agrosience Testing Pty Ltd Report 15-0366 – 7 December 2015
This document relates to the testing of the Greenzone Termite Barriers Accelerated Storage Stability
3. TR Termite Research Pty Ltd Design Life for 50 Years for Greenzone letter
This document provides a comment on the design life of Greenzone Termite & Insect Barrier for fifty years.
4. ExcelPlas Technical Report No: 6144 on the Compression Stress
This document provides a technical report on the compression stress-strain characteristic testing of low density polyethylene foam materials.
5. ExcelPlas Technical Report No: 6144 on the Density
This document provides a technical report on the apparent density measurement of cellular foam samples.
6. ExcelPlas Technical Report No: 6144 on the Tear Strength
This document provides a technical report on the tear resistance testing of cellular polyethylene foam samples.
7. ExcelPlas Technical Report No: 6144 on the Tensile Strength
This document provides a technical report on the tensile properties testing of flexible cellular polymeric material samples.
8. ExcelPlas Technical Report No: 6144 on the Water Absorption
This document provides a technical report on the water absorption for cellular plastic materials.



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9. Termite Research Pty Ltd Report No: 2014/1 February 2014 Ref: Bayer/GZ-1

This document provides an evaluation of Greenzone foam as a barrier against field colonies of subterranean termites in Australia, Year 1

10. Termite Research Pty Ltd Report No: 2015/1 April 2015 Ref: Bayer/GZ-1

This document provides an evaluation of Greenzone foam as a barrier against field colonies of subterranean termites in Australia, Year 2

11. Termite Research Pty Ltd Report No: 2016/1 March 2016 Ref: Bayer/GZ-1

This document provides an evaluation of Greenzone foam as a barrier against field colonies of subterranean termites in Australia, Year 3