



Certificate of Conformity

Certificate number: CM40182

Certification Body:


ABN: 80 111 217 568
JAS-ANZ Accreditation No.
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Certificate Holder:



Bayer CropScience Pty Ltd
T/A Bayer Environmental
Science
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www.environmentalscience.bayer.com.au/Kordon

THIS IS TO CERTIFY THAT

KORDON TERMITE SYSTEM

Type and/or use of product:

Termite Management System and damp-proof course and flashing material.

Description of product:

The Kordon TB, Kordon TMB comprises a non-woven polyester fibre webbing, impregnated with deltamethrin synthetic pyrethroid laminated between two UV stabilized polyethylene films with a nominal thickness of 1.75mm. The Kordon Kollars are preformed collars manufactured from the same material as the Kordon TB.
Components: Kordon TB, Kordon TMB and Kordon Kollars
Refer A2 below for further information.

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

BCA 2019

	Volume One	Volume Two
Performance Requirement(s):	Not Applicable	Not Applicable
Deemed-to-Satisfy Provision(s):	B1.4 (i) Termite Risk Management	3.1.4.3 (b)(i)&(ii) Termite Management System 3.3.5.7(e) Damp-proof courses and flashings — material
State or territory variation(s):	NT B1.4 (i)	QLD 3.1.4.3

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

Limitations and conditions:

- The Kordon TB, Kordon TMB and Kordon Kollars System is to be installed by authorised operators, trained and licensed by Bayer Environmental Science in accordance with the Bayer Kordon Training Manual 2017 and the relevant state and territory regulations.
- When Kordon TB or Kordon TMB is used as a damp-proof course or flashing, the installation must comply with Part 3.3.5.8 of the BCA 2019 Volume 2.
- When Kordon TB or Kordon TMB is used as a damp-proof course or flashing, it must be continuous through the wall or pier with no penetration of the material.
- When used in conjunction with a concrete slab, the concrete slab must be designed and constructed in accordance with the requirements of AS 2870-2011 Residential slabs and footings or AS 3600-2014 - Concrete Structures.

Building classification/s:

1,2,3,4,5,6,7,8,9 & 10


John Thorpe - CMI


Don Grehan – Unrestricted Building Certifier

Date of issue: 23/09/2019

Date of expiry: 23/09/2022





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5. In accordance with State or Territory Advisory notices, additional termite risk management measures must be included in areas where *Mastotermes Darwiniensis* are prevalent.
6. The use of the certified product/system is subject to these Limitations and Conditions and must be read in conjunction with the Scope of Certification below.

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.

The NCC defines a Performance Solution as one that complies with the Performance Requirements by means other than a Deemed-to-Satisfy Solution. A Building Solution that relies on a CodeMark Certificate of Conformity that certifies a product against the Performance Requirements cannot be considered as Deemed-to-Satisfy Solution.

This Certificate of Conformity may only relate to a part of a Performance Solution. In these circumstances other evidence of suitability is needed to demonstrate that the relevant Performance Requirements have been met. The relevant provisions of the Governing Requirements in Part A of the NCC will also need to be satisfied.

This Certificate of Conformity is issued based on the evidence of compliance as detailed herein. Any deviation from the specifications contained in this Certificate of Conformity is outside of this document's scope and the installation of the certified product will not be covered by this Certificate of Conformity. This may result in the product being classified as a non-conforming building product.

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.

When using the CodeMark logo in relation to or on the product/system, the Certificate Holder makes a declaration of compliance with the Scope of Certification and confirms that the product is identical to the product certified herein. In issuing this Certificate of Conformity, CertMark International has relied on the experience and expertise of external bodies (laboratories and technical experts).

Nothing in this document should be construed as a warranty or guarantee by CMI, and the only applicable warranties will be those provided by the Certificate Holder.

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

As per page 1.

A2 Description of product

Base material	Black PE coated cloth with a black butyl based pressure sensitive adhesive.
Size	Standard length 20 metres by required width.
Thickness	0.35mm
Breaking load	51 N/cm
Adhesion to steel	7.4 N/cm
Vapour penetration	1.0 g/m ² Hrs
Elongational at brake	15%
Service temperature	-10° to 50°C
Storage temperature	15° to 25°C
Tape	Tape for overlaps to Kordon TMB; retaining walls; step downs; to be a quality cloth tape.
	Tape for overlaps to Kordon perimeter joins to be the Butyl tape as reference above.

A3 Product specification

The KORDON TERMITE SYSTEM meets the requirements of AS 3660.1:2014 and its testing has been confirmed to meet the requirements of AS 3660.3 2014. Kordon contains Deltamethrin, a synthetic Pyrethroid that kills termites which come into contact with it.

Chemical Content

Active Constituent	4g/kg Deltamethrin (equivalent to 2g/m ² Deltamethrin)
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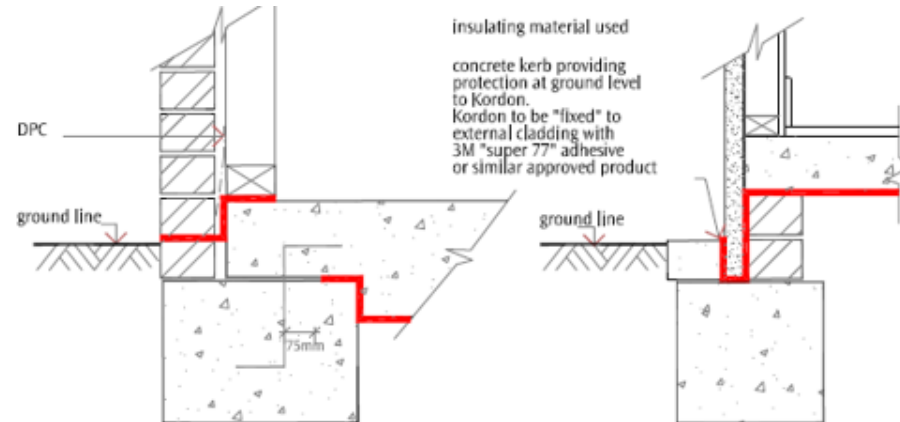
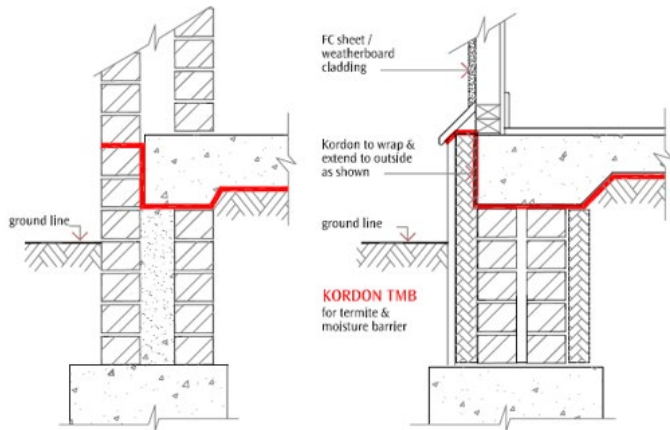
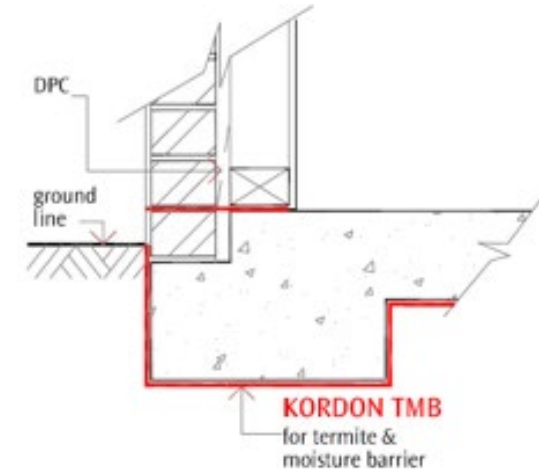
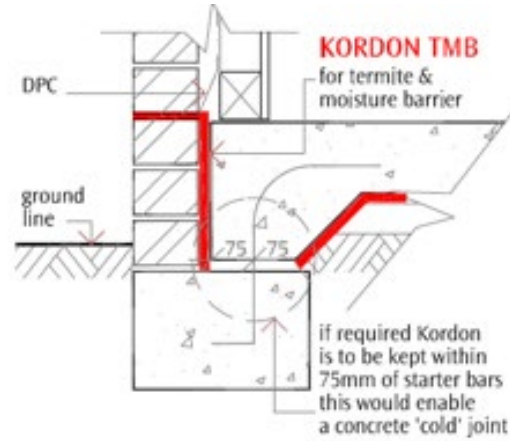
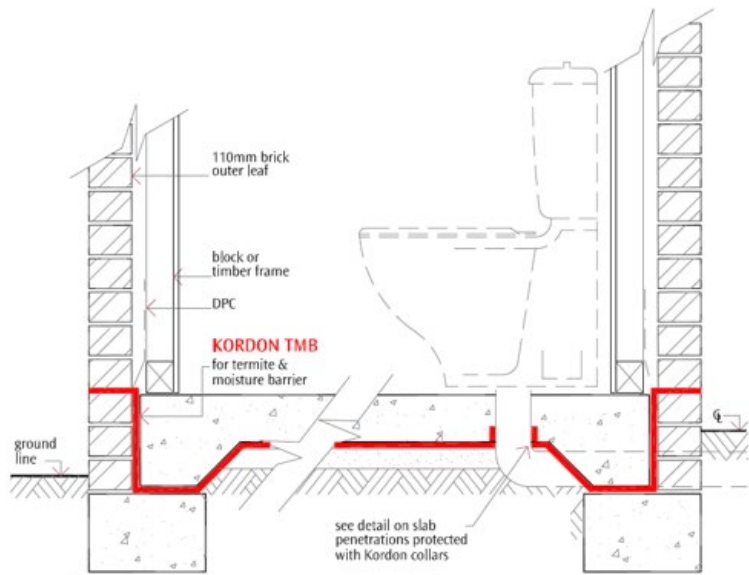
A4 Manufacturer and manufacturing plant(s)

This field is voluntary. Contact the Certificate Holder for more information.

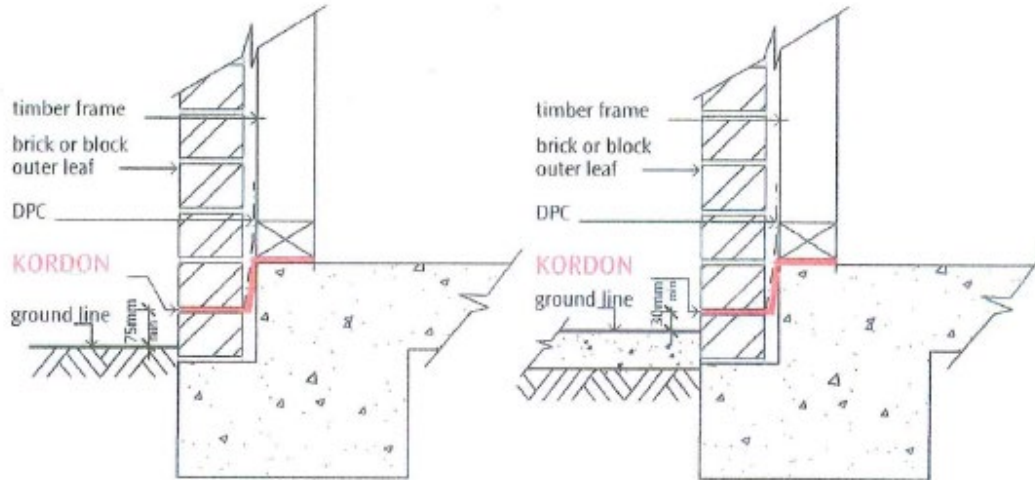
A5 Installation requirements

- The Kordon TB, Kordon TMB and Kordon Kollars System is to be installed by authorised operators, trained and licensed by Bayer Environmental Science in accordance with the [Bayer Kordon Training Manual 2017](#) and the relevant state and territory regulations.
- When Kordon TB or Kordon TMB is used as a damp-proof course or flashing, the installation must comply with Part 3.3.5.8 of the BCA 2019 Volume 2.
- When Kordon TB or Kordon TMB is used as a damp-proof course or flashing, it must be continuous through the wall or pier with no penetration of the material.
- Inspections must be undertaken in accordance with recommendations as outlined in AS 3660.2-2017 or AS 4349.3-2010.
- The builder is to treat the building's termite protection as a part of the building process and therefore included in the construction program.

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Source: Kordon Training Manual 2017

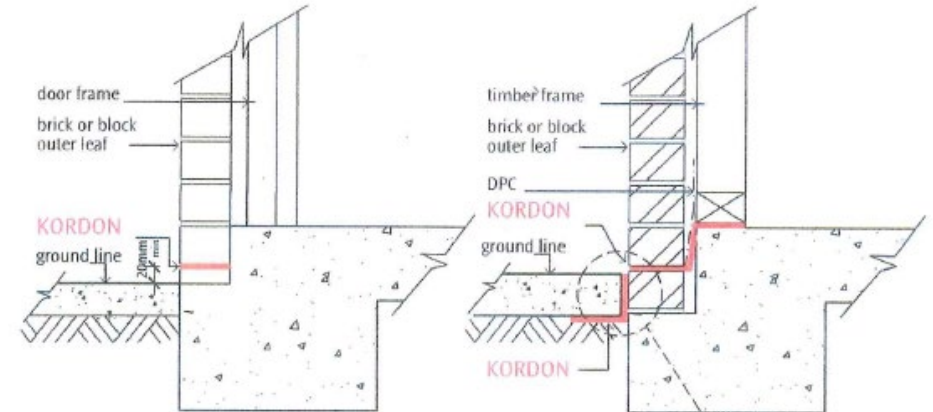


section detail 1

75mm inspection zone - to soil / garden

section detail 2

30mm inspection zone - to hard surface, concrete path, apron



section detail 3

20mm inspection zone - exterior doorways

section detail 4

no inspection zone - additional kordon required to protect outside construction joint as shown in detail KD041b

Kordon Termite Barrier

Source: Kordon Training Manual 2017

A6 Other relevant technical data

The top orange 200-micron plastic layer provides the moisture vapour system, while the bottom black plastic layer encapsulates, protects and completes the physical termite system.

A synthetic fibrous web approximately 2mm thick having a density of 140 - 240g/m² and treated with Deltamethrin, is laminated to the orange membrane. A second sheet of LDPE, 0.05mm thick and black in colour is laminated to the bottom of the system.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Termite Management Provisions A5.2(1)(e). Reports from a professional engineer.

B2 Reports

1. CSIRO; NATA Accreditation No. 165; Report No. 90/1; Reference No. HS11/3/3; Installation of Field Trials of Deltamethrin-Impregnated System as a System against Termites at Sites Near Griffith, NSW and Darwin, NT; Dated 26/03/1990.
2. CSIRO; NATA Accreditation No. 165; Report No. 91-12; Reference No. HS11/3/3; First Report on Field Tests with Deltamethrin-Impregnated System as a System against Termites at Sites Near Griffith, NSW and Darwin, NT; Dated April 1991.
3. CSIRO; NATA Accreditation No. 165; Report No. 02/14; Reference No. SP21999/00623; Assessment of Deltamethrin-Treated Kordon System as a System against Mastotermes Darwiniensis with a Below Ground Exposure Method – Report After Seven and Four Years of Field Exposure; Dated 04/09/2002.
4. CSIRO; NATA Accreditation No. 165; Report No. 02/11; Reference No. HS11/3/3; Assessment of Deltamethrin-Treated Kordon System as a System against Coptotermes Acinaciformis (at Conapaira State Forest NSW) with a Below Ground Exposure Method – Report After Six Years; Dated 16/05/2002.
5. CSIRO; NATA Accreditation No. 165; Report 2005/19; Reference No. SP21999/00623; Report on Field Trials After Fifteen Years with Deltamethrin-Impregnated Kordon System as a System Against Australian Subterranean Termites at Sites Near Griffith, NSW and Darwin, NT; Dated 05/09/2005.
6. CSIRO; NATA Accreditation No. 165; Report No.2006/20; Reference No. SP21999/00623; Report on Field Trials After Sixteen Years with Deltamethrin-Impregnated Kordon System as a System Against Australian Subterranean Termites at Sites Near Griffith, NSW and Darwin, NT; Dated 21/12/2006.
7. CSIRO; NATA Accreditation No. 165; Report No. 2010/6; Reference No. SP21999/00623; Report on Field Trials After Twenty Years with Deltamethrin-Impregnated Kordon System; Dated August 2010.
8. CSIRO; NATA Accreditation No. 165; Technical Assessment 216; Kordon Physical Termite Barrier System; Dated January 1997 (Revalidated & updated technical assessment; November 2006).
9. APVMA approval 60759/100619.
10. Technical Opinion, John French B.Sc(For),M.Sc (Entomology), Ph.D (Forest Entomology) PMT-O-12490, compliance with Section 5
11. Test Methods for Chemical Termite Management Systems of AS 3660.3-2014; Dated 31/07/2018.

The Certificate Holder has chosen not to make the above evidence of compliance publicly available, due to the documents being considered commercial in confidence.