



# Certificate of Conformity

Certificate number: CM40182 Rev4

**Certification Body:**

  
ABN: 80 111 217 568  
JAS-ANZ Accreditation No. Z4450210AK  
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[www.CertMark.org](http://www.CertMark.org)

**Certificate Holder:**



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T/A Bayer Environmental Science  
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Ph: 1800 634 913  
[www.environmentalscience.bayer.com.au/Kordon](http://www.environmentalscience.bayer.com.au/Kordon)

**THIS TO CERTIFY THAT**

## KORDON TERMITE SYSTEM

**Type and/or use of product:**

- KORDON TERMITE SYSTEM is to be used as a Perimeter and Service Penetration System. (AS 3660.1:2014.)
- Kordon TMB is a physical termite system and a moisture vapour system.
- Kordon Kollars are prefabricated collars for use as physical termite systems on slab penetrations.
- Kordon TB, Kordon TMB and Kordon Kollars System is an under slab, perimeter and penetration system to deter concealed entry by subterranean termites into a building.

**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 2016 Amdt. 1**

	Volume One	Volume Two
<b>Performance Requirement(s)</b>	BP1.1(a) & (b)(xv) Limited to Termite Actions	P2.1.1(a) & (b)(xv) Limited to Termite Actions
<b>Deemed-to-Satisfy Provision(s):</b>	B1.4(i) Termite Risk Management: Where a primary building element is subject to attack by subterranean termites.	Part 3.1.3.3 Termite management systems
<b>State or territory variation(s):</b>	Not Applicable	QLD P2.1.3, NT 3.1.3.3

  
**John Thorpe - CMI**

  
**Don Grehan – Unrestricted Building Certifier**

**Date of issue:** 12/07/2018

**Date of expiry:** 23/09/2019



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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 Kordon TB, Kordon TMB and Kordon Kollars System is to be installed by authorised operators trained and licensed by Bayer Environmental Science.
2. 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.
3. Information contained herein or related hereto is intended only for evaluation by technically skilled persons, with any use thereof to be at their independent discretion and risk. Such information is believed to be reliable, but CertMark International (CMI) shall have no responsibility or liability for results obtained or damages resulting from such use. CMI grants no license under, and shall have no responsibility or liability for infringement of, any patent or other proprietary right. 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.
4. This Certificate is issued based on the evidence of compliance as detailed herein. Any deviation from the specifications contained in this Certificate is outside of this document's scope and the installation of the certified product/system will not be covered by this CodeMark certification. This may result in the product being classified as a non-conforming building product/system.

**Building classification/s:**

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

**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](http://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.

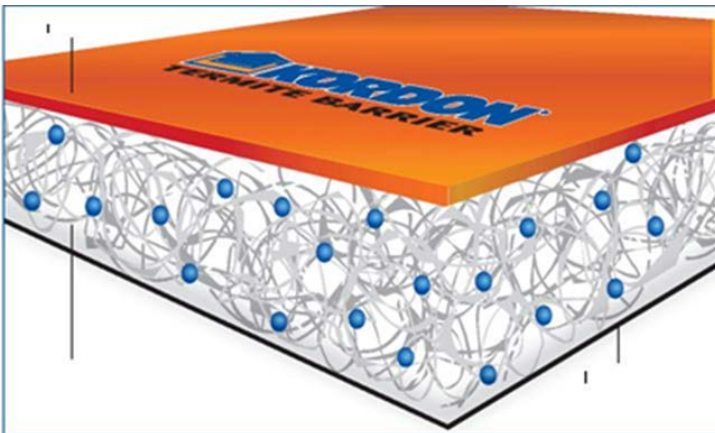
## APPENDIX A – PRODUCT TECHNICAL DATA

### A1 Type and intended use of product

As per page one.

### A2 Description of product

- a. Kordon contains Deltamethrin, a synthetic Pyrethroid that kills termites which come into contact with it. Equally importantly, though, Deltamethrin is a powerful termite repellent, so termites are very unlikely even to approach the system and attempt to breach it.
- b. The Deltamethrin is impregnated into a fibrous webbing which is then laminated on both sides.
- c. 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.
- d. Kordon is classified as a building product and it is approved for use in local government areas where soil Termiticide treatments have been prohibited.
- e. A standard moisture vapour system of low-density polyethylene (LDPE) is 0.2 mm thick and meets IR3 strength requirements (colour orange).
- f. A synthetic fibrous web approximately 2mm thick having a density of 140 – 240g/m<sup>2</sup> and treated with Deltamethrin, a synthetic Pyrethroid insecticide, 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.
- g. Tape: This is a 50mm wide PVC tape labelled with warnings to other building trades that the Kordon System is installed and should not be damaged.



*Source: Bayer Kordon®*



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## A3 Product specification

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	51N/cm
Adhesion to steel	7.4N.cm
Vapour penetration	1.0 g/m <sup>2</sup> 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 to overlaps to Kordon perimeter joins to be the Butyl tape as reference above

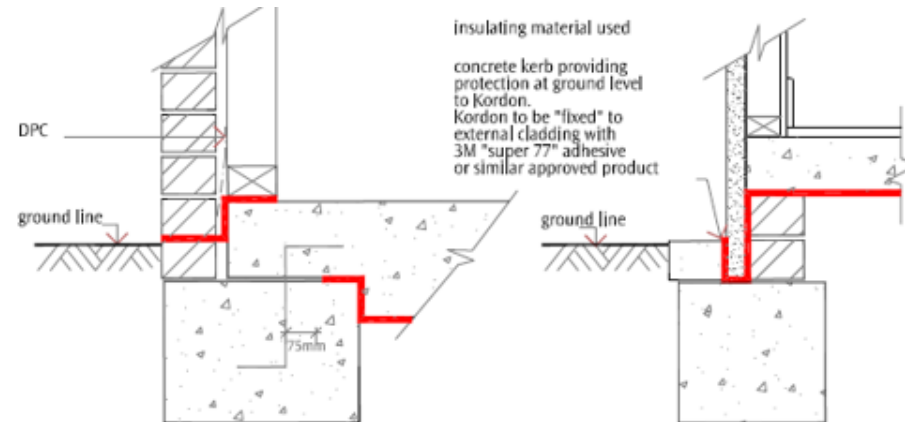
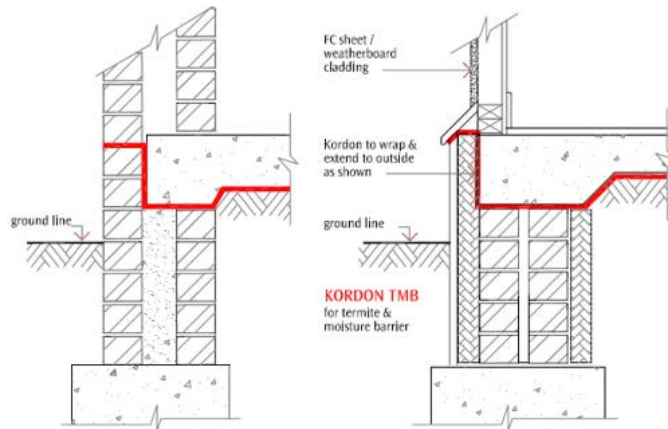
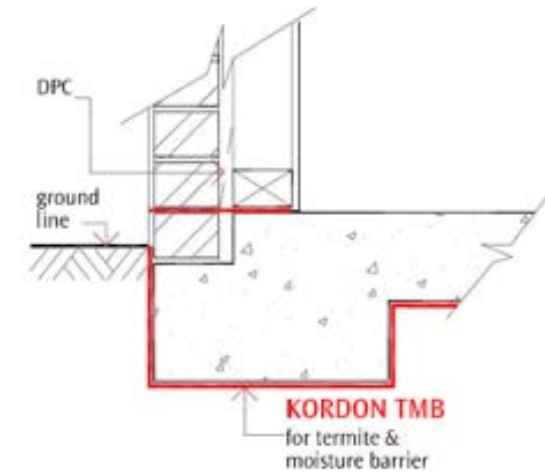
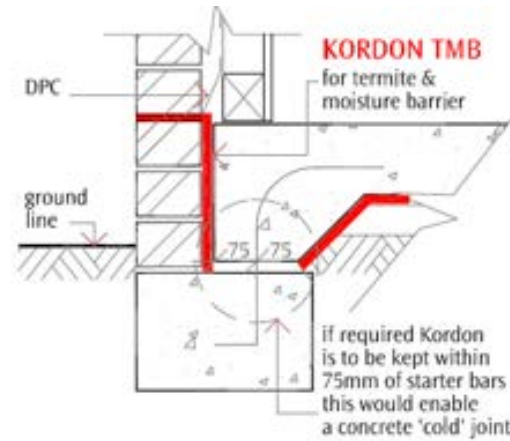
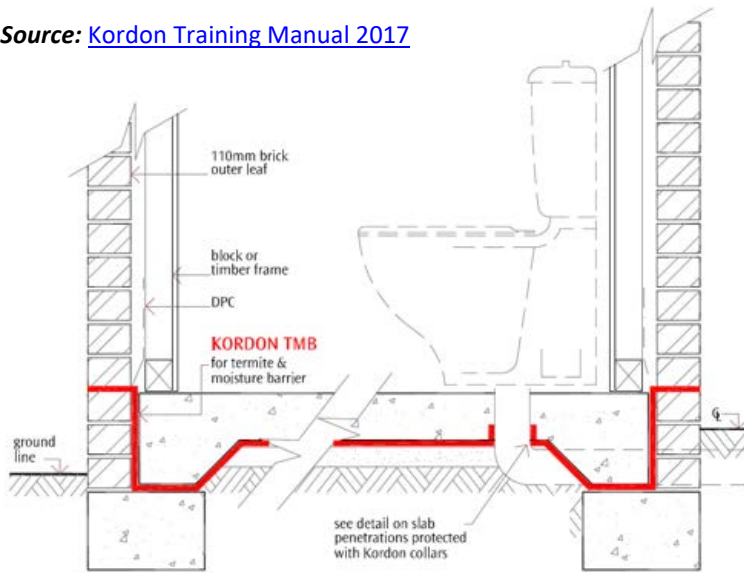
## A4 Manufacturer and manufacturing plant(s)

Not Applicable.

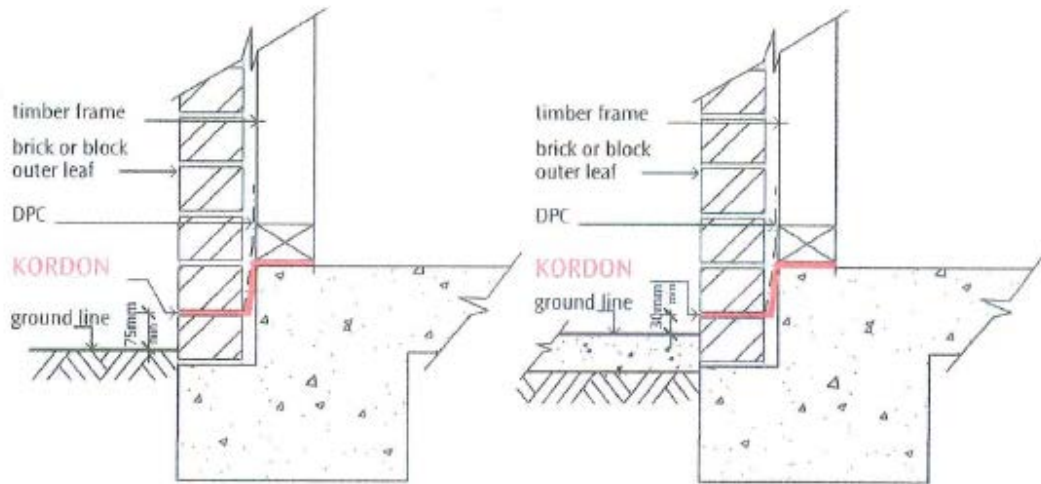
## A5 Installation requirements

- Only to be installed in accordance with the procedure/details as per [Bayer Kordon Training Manual 2017](#).
- Inspections must be undertaken in accordance with recommendations as outlined in AS 3660.2-2000 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.

Source: [Kordon Training Manual 2017](#)



Source: [Kordon Training Manual 2017](#)

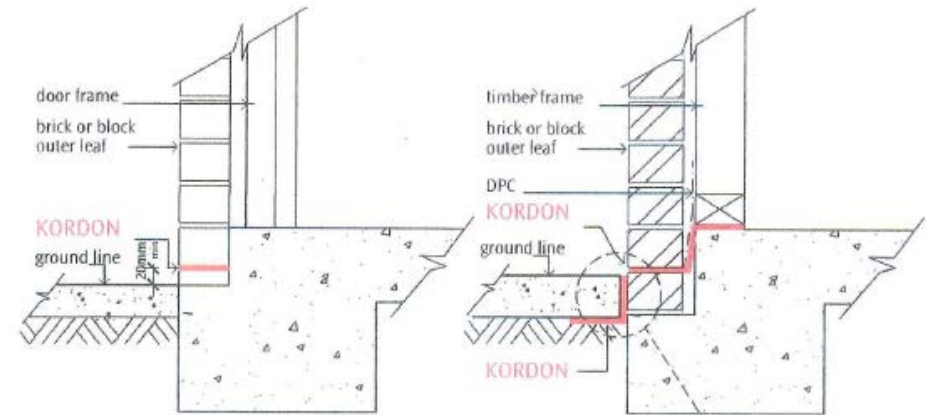


**section detail 1**

75mm inspection zone - to soil / garden

**section detail 2**

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

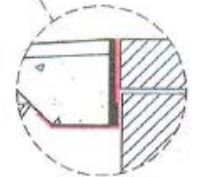


**section detail 3**

20mm inspection zone - exterior doorways

**section detail 4**

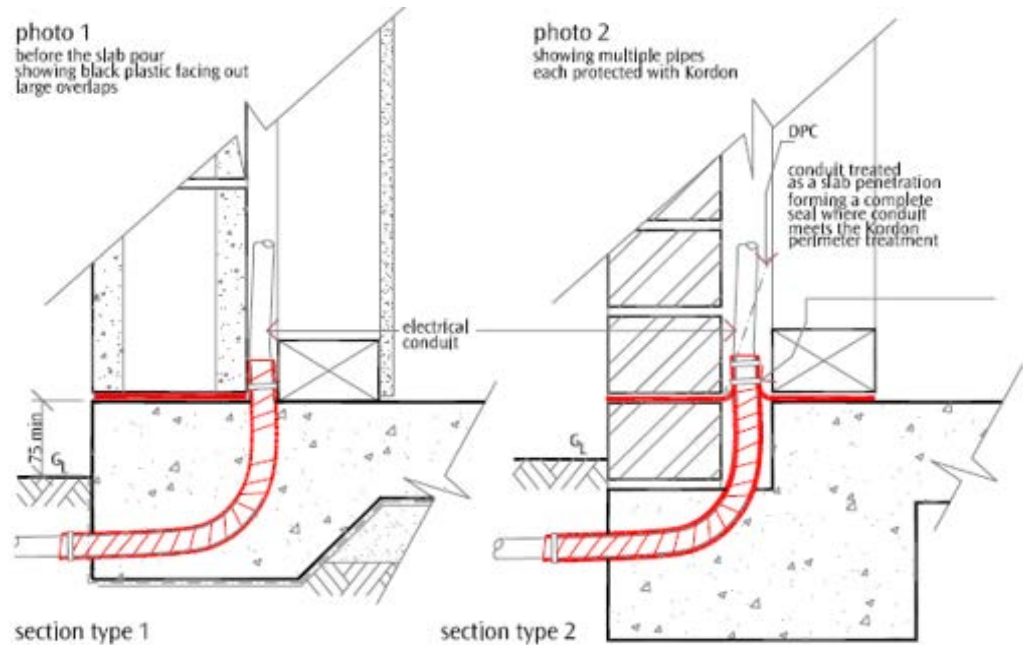
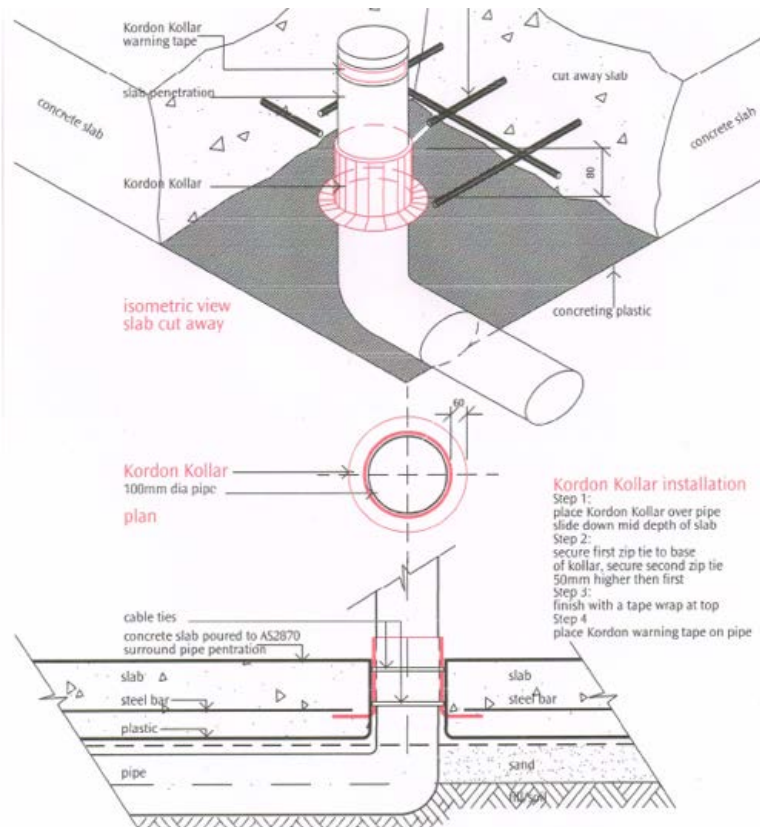
no inspection zone -  
additional kordon required to protect  
outside construction joint as shown  
in detail KD041b



**Kordon Termite Barrier**



Source: [Kordon Training Manual 2017](#)



**Notes:**

- wrap Kordon TB around (with overlap) electrical conduits penetrating the slab at length of 300mm approx.
- Kordon TB should be visible after the pour on any conduit /water pipe.
- a cable tie is to be secured at the start and at the finish of the wrap
- where possible place a 300x300 Kordon TB patch at the base of the slab penetration.
- where a cluster of conduits are installed - each conduit must be wrapped separately as above.

**A6 Other relevant technical data**

This revised certificate of conformity cites AS 2870-2011 Residential Slabs and Footings. Any installation of KORDON TERMITE SYSTEM performed when the previous certificate of compliance reference AS 2870-1996 Residential Slabs and Footings are deemed to comply.

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.

## APPENDIX B – EVALUATION STATEMENTS

### B1 Evaluation methods

Termite Risk Management – A2.2 (a)(i) & (iii) & 1.2.2 (a)(i) & (iii) reports from NATA accredited test lab. Current registration of the system with the APVMA.

### B2 Reports

- a. CSIRO NATA #165 Report – Installation of Field Trials of Deltamethrin-Impregnated System as a System against Termites 1990.
- b. CSIRO NATA #165 Report – First Report on Field Tests with Deltamethrin-Impregnated System as a System Against Termites 1991.
- c. CSIRO NATA #165 Report - 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 – 2002.
- d. CSIRO NATA #165 Report - 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 – 2002.
- e. CSIRO NATA #165 Report - 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 – 2005.
- f. CSIRO NATA #165 Report - 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 – 2006.
- g. CSIRO NATA #165 Report - Report on Field Trials After Twenty Years with Deltamethrin-Impregnated Kordon System as a System Against Australian Subterranean Termites at Sites Near Griffith, NSW and Darwin, NT – 2010.
- h. CSIRO #165 Technical Assessment 216.
- i. APVMA approval 60759/100619.

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