

0184P KORDON TERMITE MANAGEMENT

Branded worksection

This branded worksection *Template* has been developed by NATSPEC in conjunction with **Bayer CropScience Pty Ltd** (the Product Partner) and may be used whilst the Product Partner is licensed to distribute it. The copyright remains with NATSPEC. As with all NATSPEC worksections, it is the responsibility of the user to make sure it is completed appropriately for the project. The user should also review its applicability for local conditions and regulations. Check www.natspec.com.au for the latest updated version.

Worksection abstract

This branded worksection *Template* is applicable to the Kordon termite management system which is a physical system for termite management. The core standard is AS 3660.1.

How to use this worksection

This worksection *Template* must be customised for each project. See [A guide to NATSPEC worksections \(www.natspec.com.au\)](#) for information on *Template* structure, word styles, and completing a worksection.

Related material located elsewhere in NATSPEC

If a listed worksection is not part of your subscription package and you wish to purchase it, contact NATSPEC.

Related material may be found in other worksections. See for example:

- *0314 Concrete in situ* for concrete slab used as a termite management system.

Documenting this and related work

You may document this and related work as follows:

- Termite management systems are not described elsewhere. Coordinate with other worksections, such as *0222 Earthwork*, *0314 Concrete in situ*, *0331 Brick and block construction*, *0381 Structural timber* and *0382 Light timber framing*.
- Slabs on ground: Coordinate with the concrete worksections where slabs on ground to AS 2870 or AS 3600 are used as part of the termite control system. AS 3660.1 cites both standards for this purpose and advises that, if using AS 3600, due regard must be given to minimising shrinkage cracking.
- For structural elements below the termite management system and for suspended floors, see AS 3660.1 Section 3.
- Termite resistant materials used as a stand-alone method: In addition to structural elements, allow for termite resistant non-structural timber elements such as architraves, door jambs, window frames and reveals, skirtings, and fascias and barge boards.
- Site management: Allow for landscaping and site management requirements on drawings or other worksections such as surface and subsurface drainage, vegetation clearing (to plant roots) and use of fill without vegetative matter.

The *Normal* style text of this worksection may refer to items as being documented elsewhere in the contract documentation. Make sure they are documented.

Search acumen.architecture.com.au, the Australian Institute of Architects' practice advisory subscription service, for notes on the following:

- Termite management.
- Warranty periods.

Specifying ESD

The following may be specified by retaining default text:

- Non-chemical management systems.

The following may be specified by including additional text:

- Low toxicity chemical treatments.
- Chemical free accessories, e.g. resins, grouts, mortars and collars.

Refer to the NATSPEC TECHreport TR 01 on specifying ESD.

1 GENERAL

Environmental Science is a business unit of the Crop Science Division of Bayer. Guided by our purpose of "Fostering Healthy Environments where we Live, Work and Play", we aim to provide our customers high quality solutions beyond products, investing in innovation, promoting sustainable development and strengthening our customer centricity.

Through innovation and technologies, the Environmental Science business unit works to sustainably safeguard and advance the health, hygiene and safety of people all over the world.

1.1 RESPONSIBILITIES

General

Requirement: Provide Kordon termite management systems, as documented.

Documented is defined in 0171 General requirements as meaning contained in the contract documents.

Performance

Objective: To achieve building protection.

Delete if NCC level of protection only is required as defined in BCA B1.4(i) and BCA 3.1.4.

1.2 COMPANY CONTACTS

Kordon technical contacts

Website: www.environmentalscience.bayer.com.au/contact.

1.3 CROSS REFERENCES

General

Requirement: Conform to the following:

- *0171 General requirements.*

0171 General requirements contains umbrella requirements for all building and services worksections.

List the worksections cross referenced by this worksection. 0171 General requirements references the 018 Common requirements subgroup of worksections. It is not necessary to repeat them here. However, you may also wish to direct the contractor to other worksections where there may be work that is closely associated with this work.

NATSPEC uses generic worksection titles, whether or not there are branded equivalents. If you use a branded worksection, change the cross reference here.

1.4 STANDARD

General

Termite management systems: To AS 3660.1.

See AS 3660.2 for termite management in existing buildings and AS 3660.3 for assessing the effectiveness of proposed systems and the termite resistance of materials and components. For pest inspections of timber in existing buildings, see AS 4349.3.

1.5 MANUFACTURER'S DOCUMENTS

Technical manuals

Product information: www.environmentalscience.bayer.com.au/pest-management/products/kordon-tmb

Bayer accredited Kordon installers:

www.kordonwarrantycentre.com.au/TimberPestInspections/KordonInstallers

Installation details: www.kordonwarrantycentre.com.au/TimberPestInspections/InstallationDetails

Bayer accredited timber pest inspectors:

www.kordonwarrantycentre.com.au/TimberPestInspections/BayerAccreditedTimberPestInspections.

1.6 SUBMISSIONS

Certification

Certificate of installation: Submit certificate to AS 3660.1 Appendix A3.

Operation and maintenance manuals

Maintenance regime: For systems requiring post construction monitoring, provide a maintenance manual with the details of the following:

- Inspection frequency.

For example, monthly, quarterly, annually.

- Instructions for inspection of termite activity and treatment effectiveness.
- Contact details of installers and manufacturer's authorised supplier of replacement parts/components.

Edit, as appropriate.

Products and materials

Product data: For each product/material, submit manufacturer's data include the following:

- Construction details, material description and dimensions of individual components.
- Treatments and application procedures.

Evidence of delivery: Submit delivery docket as evidence of delivery: [complete/delete]

If evidence of delivery to site is required for particular products, consider including this *Optional* style text by changing to *Normal* style.

Records

Completion: Submit record drawings identifying the locations of the installed system.

Edit, as appropriate.

Subcontractors

General: Submit names and contact details of Bayer accredited Kordon installers proposed .

The Kordon system must be installed by authorised operators, trained and licensed by Bayer to the *Kordon 2017 Training Manual*.

Warranties

Management system warranty: Submit the manufacturer's and installer's warranty of material, workmanship and application.

Warranties are subject to annual timber pest inspections. Design for access for inspection to AS 3660.1.

1.7 INSPECTION**Notice**

Inspection: Give notice so that inspection may be made of the following:

- Completed earthworks or substrate preparation before system application/installation.
- The completed termite management system.

Amend to suit the project, adding critical stage inspections required.

Hold points, if required, should be inserted here.

2 PRODUCTS**2.1 GENERAL****Product substitution**

Other products: Conform to PRODUCTS, **GENERAL**, **Substitutions** in *0171 General requirements*.

The *0171 General requirements* clause sets out the submissions required if the contractor proposes alternative products. Refer also to NATSPEC TECHnote GEN 006 for more information on proprietary specification.

Storage and handling

General: Store in a cool, dry place.

Product identification

General: Marked to show the following:

- Manufacturer's identification.
- Product brand name.
- Product type.
- Quantity.
- Product reference code and batch number.
- Date of manufacture.

Edit the list to suit the project or delete if not required.

2.2 KORDON TERMITE SYSTEM**General**

Application: A complete termite management system that creates an impenetrable barrier to subterranean termites including:

- Concrete slab poured and cured to AS 2870 or AS 3600.
- Vertical slab penetrations.

- Construction joints and control joints.
- Building perimeters.

It is also suitable for use as a moisture barrier under concrete slabs.

Description: A physical termite barrier comprising non-woven polyester fibre webbing, impregnated with deltamethrin laminated between two UV stabilised polyethylene films.

Deltamethrin is registered by APVMA (Australian Pesticides and Veterinary Medicines Authority) registrar, for use in conformance with the pesticides registrar's approved label.

Concrete slabs: To AS 3660.1 Section 4.

Termite caps and sheeting: To AS 3660.1 Section 5.

Components:

- Kordon Termite Barrier (TB).

Kordon Termite Barrier is suitable for perimeter and service penetrations.

- Kordon Termite Moisture Barrier (TMB).

Kordon Termite Moisture Barrier is suitable for underslab termite protection and as a damp-proof membrane to AS 2870.

- Kordon Kollar.

Kordon Kollar is a preformed collar manufactured from the same material as Kordon TB.

Certification: CodeMark certificate CM40182.

The date of expiry of this CodeMark Certificate of Conformity is 23/09/2022.

See CodeMark Certificate of Conformity for conditions and limitations. To confirm it has not been withdrawn, suspended or superseded by later issue, See www.jas-anz.org/our-directory/codemark-certified-organisations for the CodeMark Register of Certificates of Conformity.

3 EXECUTION

3.1 KORDON TERMITE SYSTEM

Installation

Requirement: Conform to Kordon installation recommendations, using a Bayer accredited Kordon installer.

Concrete slab

Standard: To AS 3660.1 Section 4.

Termite caps and sheeting

Standard: To AS 3660.1 Section 5.

3.2 COMPLETION

Termite management system notice

General: Permanently fix a durable notice in a prominent location to BCA B1.4(i)(ii) or BCA 3.1.4.4.

This sign is nominated in *0581 Signage* for statutory signs. If *0581 Signage* is included in the project specification delete and cross refer as appropriate.

Waste materials

Progressive cleaning: Make sure no waste materials which could attract termites remain on the site.

Warranties

A Limited Kordon Product Warranty covers all buildings where a Kordon termite management system is installed. A Bayer Protection Warranty may be purchased for additional coverage. See www.kordonwarrantycentre.com.au/BayerProtectWarranty.

Type: [complete/delete]

Non-renewable for a Limited Kordon Product Warranty or Renewable for a Bayer Protection Warranty.

Minimum period: [complete/delete]

Select from the following:

- Limited Kordon Product Warranty: 6 years.
- Bayer Protection Warranty: 1 year warranty renewal for the design life of the structure.

Form of warranty: Conditional upon annual inspection of the property to AS 3660.2 by a Bayer accredited timber pest inspector.

The form(s) required should be provided as part of the contract documentation.

Completion inspection

Report: At the end of the defects liability period, inspect the termite management system and prepare a report on its efficacy and status.

Annual inspection is recommended. Accordingly, there should be one at the end of the normal 12 month defects liability period.

REFERENCED DOCUMENTS

The following documents are incorporated into this worksection by reference:

AS 3660		Termite management
AS 3660.1	2014	New building work
AS 3660.2	2017	In and around existing buildings and structures
BCA 3.1.4.4	2019	Acceptable construction - Site preparation - Termite risk management - Durable notice
BCA B1.4(i)(ii)	2019	Structure - Structural provisions - Determination of structural resistance of materials and forms of construction

The following documents are mentioned only in the *Guidance* text:

AS 2870	2011	Residential slabs and footings
AS 3600	2018	Concrete structures
AS 3660		Termite management
AS 3660.3	2014	Assessment criteria for termite management systems
AS 4349		Inspection of buildings
AS 4349.3	2010	Timber pest inspections
BCA 3.1.4	2019	Acceptable construction - Site preparation - Termite risk management
BCA B1.4(i)	2019	Structure - Structural provisions - Determination of structural resistance of materials and forms of construction
NATSPEC GEN 006	2015	Product specifying and substitution
NATSPEC TR 01	2019	Specifying ESD