

0184P KORDON TERMITE MANAGEMENT

Branded worksection

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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 (2014).

How to use this worksection

Customise this worksection *Template* 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:

- *0185 Timber products, finishes and treatment* for preservative treatment of timber products.
- *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 (2011) or AS 3600 (2018) are used as part of the termite management system. AS 3660.1 (2014) cites both standards for this purpose and advises that, if using AS 3600 (2018), 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 (2014) 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: Document landscaping and site management requirements, such as surface and subsurface drainage, vegetation clearing (to plant roots) and use of fill without vegetative matter, on drawings or in other worksections.

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:

- Guarantees and warranties.
- Termite management.

Specifying ESD

The following may be specified by retaining default text:

- Non-chemical termite 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 NATSPEC TECHreport TR 01 on specifying ESD.

1 GENERAL

Envu was founded in 2022, a new company built on years of Bayer Environmental Science experience, for the sole purpose of advancing healthy environments for everyone, everywhere. We offer dedicated services in Professional Pest Management including our Kordon Termite Management System. For further information visit www.au.envu.com.

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

Requirement: Building protection from termite attack.

Delete if the required level of protection is as defined in BCA (2022) B1D4(i) and BCA (2022) H1D3(3) as applicable.

1.2 COMPANY CONTACTS

Kordon technical contacts

Website: www.au.envu.com/sitecore-forms/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 (2014).

See AS 3660.2 (2017) for termite management in existing buildings and AS 3660.3 (2014) for assessing the effectiveness of proposed systems and the termite resistance of materials and components. For timber pest inspections in existing buildings, see AS 4349.3 (2010).

1.5 MANUFACTURER'S DOCUMENTS

Technical manuals

Product information: www.au.envu.com/termite-management/kordon.

Envu accredited Kordon installers:

www.kordonwarrantycentre.com.au/TimberPestInspections/KordonInstallers

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

Envu accredited timber pest inspectors:

www.kordonwarrantycentre.com.au/TimberPestInspections/AccreditedTimberPestInspections.

1.6 INTERPRETATION

Definitions

General: For the purposes of this worksection the definitions given in AS 3660.1 (2014) apply.

*Edit the **Definitions** subclause to suit the project or delete if not required. List alphabetically.*

1.7 SUBMISSIONS

Certification

Installation: On completion, submit certificate to AS 3660.1 (2014) clause A3.

Operation and maintenance manuals

Requirement: Submit manuals to **COMPLETION**, **Operation and maintenance manuals**.

Products and materials

Manufacturer's data: Submit manufacturer's data including the following:

- Product data sheet.
- Recommendations for installation.

Evidence of delivery: Submit delivery docket as evidence of delivery of [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

Record drawings: On completion, submit drawings identifying the locations of the installed system.

Maintenance inspection: Submit report to **MAINTENANCE, Inspection**.

Edit, as appropriate.

Subcontractors

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

The Kordon system must be installed by authorised operators, trained and licensed by Envu to the *Kordon Training Manual (2022)*.

Warranties

General: Submit warranties to **COMPLETION, Warranties**.

1.8 INSPECTION

Notice

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

- Completed earthworks or substrate preparation before system installation.
- Completed termite management system before concealing.
- Termite management system at the end of the defects liability period.

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 **SUBSTITUTIONS** in *0171 General requirements*.

SUBSTITUTIONS in *0171 General requirements* 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 MANAGEMENT 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 (2011) or AS 3600 (2018).
- 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 management system 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.

Termite caps and sheeting: To AS 3660.1 (2014) Section 5.

Collars: To AS 3660.1 (2014) clauses 4.3.2.4.2 and 5.3.6.

Components:

- Kordon Termite System.

Kordon Termite System is suitable for perimeter and service penetrations, for underslab termite protection and as a damp-proof membrane to AS 2870 (2011).

- Kordon Kollar.

Kordon Kollar is a preformed collar for use on pipe intrusions in concrete slabs and is manufactured from the same material as Kordon Termite System.

Certification: CodeMark certificate CM40182.

The date of expiry of this CodeMark Certificate of Conformity is 23/09/2025.

See CodeMark Certificate of Conformity for conditions and limitations. To confirm it has not been withdrawn, suspended or superseded by later issue, See register.jasanz.org/codemark-register for the CodeMark Register of Certificates of Conformity.

3 EXECUTION

3.1 GENERAL

Concrete slabs

Standard: To AS 3660.1 (2014) Section 4.

3.2 KORDON TERMITE MANAGEMENT SYSTEM

Installation

Requirement: Conform to Kordon installation recommendations, using an Envu accredited Kordon installer.

Termite caps, collars and sheeting

General: To AS 3660.1 (2014) Section 5.

Collars: To AS 3660.1 (2014) clauses 4.3.2.4.2 and 5.3.6.

See AS 3660.1 (2014) Figure 5.3.

3.3 COMPLETION

Termite management system notice

Signage: Permanently fix a durable notice in a prominent location to BCA (2022) B1D4(i)(ii) or BCA (2022) H1D3(3), as applicable.

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

Cleaning

Requirement: Clean progressively and remove from the site waste building materials that could attract termites.

Operation and maintenance manuals

Requirement: For systems requiring post-construction monitoring, prepare a maintenance manual that includes the following:

- Inspection frequency.

For example, monthly, quarterly, annually.

- Instructions for inspection of termite activity and treatment effectiveness.

See AS 3660.2 (2017) Section 3.

- Contact details of installers and manufacturer's authorised supplier of replacement components.

Edit, as appropriate.

Compliance with this clause targets the Operations and Maintenance requirement within the Minimum Expectation level of the Verification and Handover credit in Green Star Buildings (2021).

Warranties

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

Requirement: Cover materials and workmanship in the form of interlocking warranties from the supplier and installer.

Type: [complete/delete]

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

Minimum period: [complete/delete]

Select from the following:

- Limited Kordon Product Warranty: 6 years.
- Envu 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 (2017) by an Envu accredited timber pest inspector.

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

3.4 MAINTENANCE

Inspection

Requirement: At the end of the defects liability period, inspect the termite management system to AS 3660.2 (2017) clause 3.3.2.2. Prepare a report on the efficacy and status to AS 3660.2 (2017) clause 3.4.

AS 3660.2 (2017) clause 3.3.1 recommends inspections are undertaken at least annually. Accordingly, there should be one at the end of the typical 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 B1D4	2022	Structure - Structural provisions - Determination of structural resistance of materials and forms of construction
BCA H1D3	2022	Class 1 and 10 buildings - Structure - Site preparation
CM40182	2022	Kordon Termite System

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
GBCA Buildings	2021	Green Star Buildings
Kordon TM	2022	Training reference manual 2022
NATSPEC GEN 006		Product specifying and substitution
NATSPEC TR 01		Specifying ESD