



## **Termite management**

### **Part 3: Assessment criteria for termite management systems**

**STANDARDS**  
Australia

Currently in preview, click buy full version

This Australian Standard® was prepared by Committee BD-074, Termites. It was approved on behalf of the Council of Standards Australia on 18 September 2014. This Standard was published on 5 November 2014.

---

The following are represented on Committee BD-074:

- Australian Building Codes Board
  - Australian Environmental Pest Managers Association
  - Australian Pesticides and Veterinary Medicines Authority
  - Cement Concrete and Aggregates Australia
  - CHOICE
  - Forest and Wood Products Australia
  - Forest Corporation of NSW
  - Housing Industry Association
  - Institute of Building Consultants
  - Local Government and Shires Associations of New South Wales
  - Master Builders Australia
  - Timber Preservers Association of Australia
  - Total Environment Centre
- 

This Standard was issued in draft form for comment as DR AS 3660.3.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

---

#### **Keeping Standards up-to-date**

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting [www.standards.org.au](http://www.standards.org.au)

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at [mail@standards.org.au](mailto:mail@standards.org.au), or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

---

Australian Standard<sup>®</sup>

**Termite management**

**Part 3: Assessment criteria for termite management systems**

First published as AS 3660.3—2000.  
Second edition AS 3660.3:2014.

**COPYRIGHT**

© Standards Australia Limited

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 1 74342 871 9

## PREFACE

This Standard was prepared by the Standards Australia Committee BD-074, Termites, to supersede AS 3660.3—2000.

The objective of this Standard is to provide manufacturers, suppliers, assessors and appraisers with minimum criteria that have to be met before termite management systems can be used in and around buildings and structures.

The objective of this revision is to update the Standard, remove ambiguity and further clarify assessment needs.

This Standard is part of a series on termite management, as follows:

AS

- 3660 Termite management
- 3660.1 Part 1: New building work
- 3660.2 Part 2: In and around existing buildings and structures—Guidelines
- 3660.3 Part 3: Assessment criteria for termite management systems (this standard)

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

## CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE.....	5
1.2 APPLICATION .....	5
1.3 NORMATIVE REFERENCES .....	6
1.4 DEFINITIONS.....	6
1.5 NEW AND ALTERNATIVE SYSTEMS .....	9
SECTION 2 ASSESSMENT METHODOLOGY	
2.1 GENERAL.....	10
2.2 PURPOSE.....	10
2.3 ASSESSMENT PROCESS .....	10
2.4 PRELIMINARY ASSESSMENT .....	10
2.5 ASSESSMENT REPORT .....	11
SECTION 3 BIOASSAY TEST METHODS	
3.1 GENERAL.....	15
3.2 APPLICATION .....	15
3.3 LABORATORY TESTING .....	16
3.4 FIELD TESTING.....	18
3.5 PASS/FAIL CRITERIA.....	19
SECTION 4 PHYSICAL TERMITE MANAGEMENT SYSTEMS	
4.1 GENERAL.....	24
4.2 RESISTANT SHEET MATERIAL.....	24
4.3 RESISTANT GRANULAR MATERIALS .....	25
4.4 RESISTANT EXTRUSIONS AND MOULDED AND SHAPED COMPONENTS ..	25
SECTION 5 TEST METHODS FOR CHEMICAL TERMITE MANAGEMENT SYSTEMS	
5.1 GENERAL.....	26
5.2 APPLICATION .....	26
5.3 SELECTION OF CONTROLS .....	26
5.4 SERVICE LIFE PREDICTION .....	26
5.5 TREATMENT SHEET.....	27
5.6 RETICULATION TO SOIL SYSTEMS .....	27
5.7 HAND APPLICATION TO SOIL .....	27
5.8 TREATED EXTRUSIONS AND MOULDED AND SHAPED COMPONENTS.....	28
SECTION 6 TEST METHODS FOR COLONY ELIMINATION	
6.1 GENERAL.....	29
6.2 APPLICATION .....	29
6.3 PHYSICAL COLONY ELIMINATION .....	29
6.4 CHEMICAL DELIVERED BY A BAITING SYSTEM .....	29
6.5 CHEMICAL DUSTS FOR COLONY ELIMINATION .....	30
6.6 OTHER SLOW-ACTING NON-REPELLENT CHEMICALS FOR COLONY ELIMINATION APPLIED TO SOIL OR A BUILDING COMPONENT IN WHICH TERMITES ARE ACTIVE.....	31
6.7 BIOLOGICAL METHODS .....	31
6.8 CULTURAL AND ALTERNATIVE APPROACHES.....	32

## SECTION 7 TEST METHODS FOR RESISTANT MATERIALS

7.1	GENERAL.....	33
7.2	APPLICATION .....	33
7.3	CONCRETE .....	33
7.4	METAL .....	33
7.5	PLASTIC.....	34
7.6	TIMBER.....	34
7.7	MINERALS.....	35

## SECTION 8 TEST METHODS FOR OTHER SYSTEMS

8.1	GENERAL.....	36
8.2	APPLICATION .....	36

## APPENDICES

A	PROCEDURES AND PARTIES .....	37
B	ECONOMICALLY IMPORTANT WOOD-FEEDING SPECIES OF SUBTERRANEAN TERMITES IN AUSTRALIA.....	40
C	SOIL SAMPLING PROTOCOL FOR DETERMINING THE LOWEST EXPECTED THRESHOLD VALUES FOR CHEMICAL SOIL TERMITE MANAGEMENT SYSTEMS .....	41
D	SOIL SAMPLING PROTOCOL FOR TESTING THE UNIFORMITY OF HORIZONTAL AND VERTICAL CHEMICAL TERMITE MANAGEMENT SYSTEMS .....	45

BIBLIOGRAPHY.....	49
-------------------	----

## STANDARDS AUSTRALIA

### Australian Standard Termite management

#### Part 3: Assessment criteria for termite management systems

## SECTION 1 SCOPE AND GENERAL

### 1.1 SCOPE

This Standard specifies the criteria for assessing the effectiveness of termite management systems for buildings and structures, and criteria for the assessment of termite resistance of materials and components.

#### NOTES:

- 1 Termite management systems, tested and reported in accordance with this Standard, and having demonstrated the required levels of performance, may be appraised as meeting the design requirements of AS 3660.1 and the management requirements of AS 3660.2.
- 2 The ability of a measurement to function appropriately as a primary building element or to function so as not to impede the functions of primary building elements is outside the scope of this Standard.

### 1.2 APPLICATION

This Standard is intended for use by termite management system proponents, assessment providers and appraisers, where the systems are intended for use in any part of Australia where subterranean termites pose a risk.

This Standard is intended to be used in conjunction with the relevant mandatory requirements of the pesticides register and the National Construction Code (NCC).

Termite management systems and their components that are not fully detailed in the requirements of AS 3660.1 shall be deemed not to comply with AS 3660.1 unless tested and assessed in accordance with this Standard.

#### NOTES:

- 1 Any proposed termite management systems required to satisfy the requirements of AS 3660.1 will need to be assessed in accordance with this Standard. Approval for such systems by appropriate authorities is dependent on demonstration of assessments that meet the conditions outlined in this Standard.
- 2 Termite management systems, assessed in accordance with this Standard to meet the management requirements of AS 3660.2, do not necessarily meet the requirements of AS 3660.1.  
Assessments, additional to those specified in this Standard, may be necessary to determine whether the system components function appropriately as components of a building or structure.