

Australian/New Zealand Standard™

**On-site domestic wastewater treatment
units**

Part 2: Waterless composting toilets

STANDARDS
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AS/NZS 1546.2:2008

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WS-013, On-site Domestic Wastewater Management. It was approved on behalf of the Council of Standards Australia on 16 May 2008 and on behalf of the Council of Standards New Zealand on 9 April 2008. This Standard was published on 25 May 2008.

The following are represented on Committee WS-013:

Association of Accredited Certification Bodies (Australia)
Association of Rotational Moulders (Australasia)
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Australian and New Zealand Clinical Waste Management Industry Group
Australian Industry Group
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Part 2: Waterless composting toilets

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FOREWORD

This Standard is one of a series revised by the Joint Standards Australia/Standards New Zealand Committee WS-013 on On-site Domestic Wastewater Management. It supersedes AS/NZS 1546.2:2001 *On-site domestic wastewater treatment units Part 2: Waterless composting toilets*. The other Standards revised by the committee are:

AS/NZS 1547:2000 On-site domestic-wastewater management;
AS/NZS 1546.1:1998 On-site domestic-wastewater treatment units Part 1: Septic tanks; and
AS/NZS 1546.3:2001 On-site domestic wastewater treatment units Part 3: Aerated wastewater treatment systems.

There are four objectives in AS/NZS 1546.2. The first is to provide a set of performance statements which set out the requirements for a domestic waterless composting toilet. The second is to provide performance evaluation tests as a base against which any conventional or innovative domestic waterless composting toilet may be assessed. The third is to provide manufacturers of waterless composting toilets with basic test requirements that will confirm the conditions under which such toilets will function satisfactorily. This will enable certification bodies to verify that a product conforms to the Standard. The fourth objective is to ensure a waterless composting toilet is operated and maintained in a safe manner that meets basic health requirements for the removal of composted or partially composted material.

The revised Standard has no significant design recommendations. The changes are confined to layout changes and clarification of intent.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard
On-site domestic wastewater management

Part 2: Waterless composting toilets

1 GENERAL**1.1 Objective**

The objective of this Standard is to provide:

- (a) A set of performance statements which set out the requirements for a domestic waterless composting toilet (WCT) as defined by this Standard;
- (b) A performance evaluation test against which any conventional or innovative domestic WCT may be assessed;
- (c) Manufacturers or suppliers of a domestic WCT with basic test requirements that will enable quality assessors to verify that a product conforms to the Standard, and
- (d) Guidelines for the operation and maintenance of a domestic WCT so that public health and environmental requirements will be met.

1.2 Scope and interpretation**1.2.1 Scope**

This Standard covers the requirements of WCT which are intended primarily as stand-alone units for residential use but may be suitable for non-residential applications.

1.2.2 Interpretation

The word 'shall' identifies a mandatory requirement for compliance with the Standard. The word 'should' refers to practices, which are advised or recommended.

Clauses prefixed by 'C' and printed in italic and shaded are comments, explanations, and summaries of technical background, or recommended practice. They may also suggest approaches that satisfy the intent of the Standard, but are not to be taken as the only or complete interpretation.

The terms 'Normative' and 'Informative' have been used in this Standard to define the application of the Appendices to which they apply. A 'Normative' Appendix is an integral part of the Standard, whereas an 'Informative' Appendix is for information and guidance only.

Where the term WCT(s) is used, it refers to WCT(s) primarily for domestic use only.

The full titles of referenced documents cited in this Standard are given in 1.5.

1.3 Application

This Standard is intended for use by consultants, designers, manufacturers and suppliers, certifying bodies, installers and regulators. AS/NZS 1546.2 shall be read in conjunction with AS/NZS 1547.