

Australian/New Zealand Standard™

**On-site domestic wastewater treatment
units**

Part 2: Waterless composting toilets



standards Australia



STANDARDS
NEW ZEALAND
Te Kaitiaki Take Kōwhiri

AS/NZS 1546.2:2001

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Australian/New Zealand Standard™

On-site domestic wastewater treatment units

Part 2: Waterless composting toilets

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PREFACE

This Standard is one of a series of standards being prepared by the Joint Standards Australia/Standards New Zealand Committee WS/13 on On-site Domestic-Wastewater Management. It covers the requirements of waterless composting toilets and other related systems.

There are three objectives in this Standard. The first is to provide a set of performance statements that provide a base against which any waterless composting toilet, conventional or innovative may be assessed. The second is to provide manufacturers of waterless composting toilets with a performance evaluation test that will confirm the conditions under which it will function best. This will enable certification bodies to check that a product conforms to the Standard. The third objective is to ensure that the operation and maintenance of a waterless composting toilet, is done in a safe manner that meets basic health requirements involving the removal of composted or partially composted material.

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 for information and guidance only.

Clauses prefixed by "C" and printed in italic type are comments, explanations, and summaries of technical background, recommended practice or suggest approaches that satisfy the intent of the Standard. Corresponding mandatory clauses are not always present.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard**On-site domestic-wastewater treatment units****Part 2 : Waterless composting toilets****1 GENERAL****1.1 Objective**

The objectives of this Standard are to provide:

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

1.3 Application

This Standard is intended for use by consultants, designers, manufacturers and suppliers, certifying bodies, installers and regulators in conjunction with AS/NZS 1547 *On-site domestic-wastewater management* to which reference should be made.

1.3.1 Conventional designs and materials

This Standard includes traditionally used materials, designs and techniques.

CI.3.1

Waterless composting toilets are broadly categorised into continuous or batch systems. Both are produced with a range of capacities.