

**AS/NZS 3500.1:2003**  
(Incorporating Amendment Nos 1 and 2)

AS/NZS 3500.1:2003

**Australian/New Zealand Standard™**

**Plumbing and drainage**

**Part 1: Water services**



### **AS/NZS 3500.1:2003**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WS-014, Plumbing and Drainage. It was approved on behalf of the Council of Standards Australia on 29 July 2003 and on behalf of the Council of Standards New Zealand on 8 August 2001.

This Standard was published on 15 December 2003.

The following are represented on Committee WS-014:

- ACT Planning and Land Authority
- Association of Hydraulic Services Consultants Australia
- Australian Building Codes Board
- Australian Industry Group
- Australian Stainless Steel Development Association
- Building Officials Institute of New Zealand
- A2 | Copper Development Centre–Australia
- Department of Building and Housing (New Zealand)
- Department of Infrastructure and Planning, (Qld)
- Department of Justice (Tasmania)
- Department of Planning and Infrastructure (NT)
- Gas Appliance Manufacturers Association of Australia
- Housing Industry Association
- Institute of Plumbing Australia
- A2 | Master Plumbers Gasfitters and Drainlayers New Zealand
- National Fire Industry Association
- New Zealand Manufacturers and Exporters Association
- New Zealand Water and Waste Association
- Plastic Industry Pipe Association of Australia
- Plastics New Zealand
- Plumbers Licensing Board of WA
- Plumbers, Gasfitters and Drainlayers Board
- A2 | Plumbing Industry Commission
- Plumbing Products Industry Group
- South Australian Water Corporation
- Sydney Water Corporation
- Water Services Association of Australia

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

Standards are living documents which 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 Standards may also be withdrawn.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 which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at [www.saiglobal.com.au](http://www.saiglobal.com.au) or Standards New Zealand web site at [www.standards.co.nz](http://www.standards.co.nz) and looking up the relevant Standard in the on-line catalogue.

For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

*This Standard was issued in draft form for comment as DR 03199.*

**AS/NZS 3500.1:2003**  
(Incorporating Amendment Nos 1 and 2)

**Australian/New Zealand Standard™**

**Plumbing and drainage**

**Part 1: Water services**

Originated as AS 3500.1—1990.  
Previous edition AS/NZS 3500.1:1998.  
Revised and redesignated as AS/NZS 3500.1:2008.  
Reissued incorporating Amendment No. 1 (November 2005).  
Reissued incorporating Amendment No. 2 (December 2010).

**COPYRIGHT**

© Standards Australia Limited/Standards New Zealand

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 (Australia) or the Copyright Act 1994 (New Zealand).

Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, Private Bag 2439, Wellington 6140

ISBN 0 7337 5475 9

## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS-014, National Plumbing and Drainage Code, to supersede AS/NZS 3500.1.2:1998, National plumbing and drainage, Part 2: *Water—Acceptable solutions*.

*This Standard incorporates Amendment No. 1 (November 2005) and Amendment No. 2 (December 2010). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.*

The objective of this Standard is to provide installers with solutions to comply with—

- (a) the Plumbing Code of Australia (PCA); and
- (b) the New Zealand Building Code (clause G12 Water Supplies).

This Standard is part of a series for plumbing and drainage, as follows:

AS/NZS	
3500	Plumbing and drainage
3500.0	Part 0: Glossary of terms
3500.1	Part 1: Water services (this Standard)
3500.2	Part 2: Sanitary plumbing and drainage
3500.3	Part 3: Stormwater drainage
3500.4	Part 4: Heated water systems
3500.5	Part 5: Domestic installations

This revision includes the following changes:

- (a) Aligning the requirements with the Plumbing Code of Australia.
- (b) Clarification of the sections on hydrants and water tanks.
- (c) New provisions for non-drinking water and rainwater tanks.
- (d) Revision of the materials used in plumbing.
- (e) Incorporation of Amendment 1, 2002 and PL/1 rulings 2002 numbers 1 to 35.

A2 | This Standard is to be read in conjunction with the Plumbing Code of Australia (PCA) in Australia and the New Zealand Building Code in New Zealand.

Where alternative Australian or New Zealand standards are referenced (such as AS 1345 or NZS 5807 as appropriate) the Australian Standard shall be used for Australia and the New Zealand Standard shall be used for New Zealand.

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.

Statements expressed in mandatory terms in notes to figures and tables are deemed to be requirements of this Standard.

*This document includes commentary on some of the clauses of the Standard. The commentary directly follows the relevant clause, is designated by ‘C’ preceding the clause number and is printed in italics in a box. The commentary is for information and guidance and does not form part of the Standard.*

## **PROVISION FOR REVISION**

This Standard necessarily deals with existing conditions, but is not intended to discourage innovation or to exclude materials, equipment and methods, which may be developed in future. Revisions will be made from time to time in view of such developments and amendments to this edition will be made only when absolutely necessary.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
  - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-