

**AS/NZS 3500.1:2018**  
(Incorporating Amendment No. 1)

AS/NZS 3500.1:2018

**Australian/New Zealand Standard™**

**Plumbing and drainage**

**Part 1: Water services**



## **AS/NZS 3500.1:2018**

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 13 June 2018 and by the New Zealand Standards Approval Board on 2 May 2018.

This Standard was published on 29 June 2018.

---

The following are represented on Committee WS-014:

Association of Hydraulic Services Consultants Australia  
Australian Building Codes Board  
Australian Industry Group  
Australian Stainless Steel Development Association  
International Copper Association of Australia  
Master Plumbers Australia  
Master Plumbers, Gasfitters and Drainlayers New Zealand  
Plastics Industry Pipe Association of Australia  
Plastics New Zealand  
Plumbers, Gasfitters and Drainlayers Board  
Plumbing Distributors Association of New Zealand  
Plumbing Products Industry Group  
Water New Zealand

---

### **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 Standards may also be withdrawn.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 Site at [www.standards.org.au](http://www.standards.org.au) or Standards New Zealand web site at [www.standards.govt.nz](http://www.standards.govt.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 Standards Australia or the New Zealand Standards Executive at the address shown on the back cover.

---

*This Standard was issued in draft form for comment as DR AS/NZS 3500.1:2017.*

---

**AS/NZS 3500.1:2018**  
(Incorporating Amendment No. 1)

# Australian/New Zealand Standard™

## Plumbing and drainage

### Part 1: Water services

First published as AS 3500.1—1990.  
Second edition 1992.  
Jointly revised and redesignated AS/NZS 3500.1.2:1998.  
Jointly revised and redesignated AS/NZS 3500.1:2003.  
Third edition 2018.  
Reissued incorporating Amendment No. 1 (July 2019).

#### **COPYRIGHT**

© Standards Australia Limited

© The Crown in right of New Zealand, administered by the New Zealand Standards Executive

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).

ISBN 978 1 76072 125 1

## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS-014, Plumbing and Drainage, to supersede AS/NZS 3500.1:2015.

*This Standard incorporates Amendment No. 1 (July 2019). 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 Deemed to Satisfy solutions to comply with—

- (a) the National Construction Code of Australia (NCC), Volume Three, 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

The objective of this revision is to update requirements relating to backflow prevention, plastic pipes in direct sunlight, circulatory heated water, non-drinking water and clarification for jointing methods.

Some materials and products used in a water service are provided with instructions for installation and use. Whilst not a requirement of this Standard, or acceptable as an alternative to the requirements of this Standard, conformance to these instructions generally ensures that—

- (i) the material or product is fit for the application;
- (ii) the performance of the system is not degraded;
- (iii) the durability of the material or product is not impaired; and
- (iv) the manufacturer's warranty remains valid.

## PROVISION FOR REVISION

This Standard necessarily deals with existing conditions, but is not intended to discourage innovation or to exclude materials, equipment and methods that 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.

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.

Notes used in this Standard are of an advisory nature only and are used to provide explanation or guidance to the user on recommended considerations or technical procedures, or to provide an informative cross-reference to other documents or publications. Notes to clauses in this Standard do not form a mandatory part for compliance with this Standard.

*This Standard includes a commentary on some of the clauses. 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.*

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
-