

AS/NZS 3500.4:2015
(Incorporating Amendment No. 1)

AS/NZS 3500.4:2015

Australian/New Zealand Standard™

Plumbing and drainage

Part 4: Heated water services



AS/NZS 3500.4:2015

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 10 November 2015 and on behalf of the Council of Standards New Zealand on 13 August 2015.

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The following are represented on Committee WS-014:

Association of Accredited Certification Bodies
Association of Hydraulic Services Consultants Australia
Australian Building Codes Board
Australian Industry Group
Australian Stainless Steel Development Association
Building Officials Institute of New Zealand
Department of Building and Housing (New Zealand)
Gas Appliance Manufacturers Association of Australia
Institute of Plumbing Australia
International Copper Association of Australia
Master Plumbers Australia
Master Plumbers, Gasfitters and Drainlayers New Zealand
National Fire Industry Association
Plastics Industry Pipe Association of Australia
Plastics New Zealand
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Water New Zealand

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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.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee WS-014, Plumbing and Drainage, to supersede AS/NZS 3500.4:2003.

This Standard incorporates Amendment No. 1 (September 2017). 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 solutions to comply with—

- (a) the National Construction Code (Volume Three—Plumbing Code of Australia), and
- (b) the New Zealand Building Code (Clause G12 Water Supplies).

This Standard is part of a series of Standards 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
3500.2	Part 2: Sanitary plumbing and drainage
3500.3	Part 3: Stormwater drainage
3500.4	Part 4: Heated water services (this Standard)
3500.5	Part 5: Housing installations

The revision includes following changes:

- (i) Clarification of the requirements for the installation of solar water heaters.
- (ii) Meet the ABCB protocol for the development of NCC Referenced Documents.

This revision includes alignment with the requirements of the Plumbing Code of Australia and changes to the velocity requirements for circulatory heated water systems.

Some materials and products used in a heated 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, compliance with these instructions generally ensures that—

- (A) the material or product is fit for the application;
- (B) the performance of the system is not degraded;
- (C) the durability of the material or product is not impaired; and
- (D) 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 give 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 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.

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