

AS/NZS 3500.4:2018
(Incorporating Amendment Nos 1 and 2)

AS/NZS 3500.4:2018

Australian/New Zealand Standard™

Plumbing and drainage

Part 4: Heated water services



AS/NZS 3500.4:2018

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee WS-014-04, Plumbing and Drainage. It was approved on behalf of the Council of Standards Australia on 14 June 2018 and by the New Zealand Standards Approval Board on 2 May 2018.

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The following are represented on Committee WS-014-04:

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
Water Services Association of Australia

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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.

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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 3500.4:2015.

This Standard incorporates Amendment No. 1 (June 2018) and Amendment No. 2 (June 2020). 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 Deemed to Satisfy solutions to comply with—

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

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Amendment No. 1 includes an option for installation of solar collectors, which is reliant on certificates issued by a third party (the Clean Energy Regulator). The use of third party certificates has been **specifically** approved by Standards Australia and the Australian Building Codes Board **for this Standard**.

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)

The objective of this revision is to update requirements relating to plastics pipes in direct sunlight, circulatory heated water, thermostatically controlled taps and clarification for jointing methods. Some materials and products used in a heated water service are provided with instructions for installation and use. While not a requirement of this Standard, or acceptable as an alternative to the requirements of this Standard, conformance with 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 the 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 conformance to 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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