

AS 3700:2018

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Masonry structures



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- Australasian (Iron and Steel) Slag Association
 - Australian Building Codes Board
 - Australian Institute of Building Surveyors
 - Building Designers Association of Australia
 - Cement Concrete and Aggregates Australia
 - Concrete Masonry Association of Australia
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 - Galvanizers Association of Australia
 - Housing Industry Association
 - Master Builders Australia
 - Queensland University of Technology
 - Steel Reinforcement Institute of Australia
 - Think Brick Australia
 - University of Adelaide
 - University of Newcastle
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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Australian Standard[®]

Masonry structures

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PREFACE

This Standard was prepared by the Standards Australia Committee BD-004, Masonry Structures, to supersede AS 3700—2011.

The objective of this Standard is to provide minimum requirements for the design and construction of unreinforced, reinforced and prestressed masonry, including built-in components.

The principal changes from the 2011 edition of the Standard include the following:

- (a) Increased capacity reduction factor for compression in hollow masonry with wide spaced reinforcement.
- (b) Inclusion of provisions for stack bonded masonry.
- (c) Compressive strength of grouted masonry.
- (d) Compression design of reinforced masonry.
- (e) Concentrated loads in reinforced masonry.
- (f) Minor changes to ensure consistency with AS 4773.
- (g) New Appendix I on the relationship between ISO 9223 corrosivity categories and durability class. Also includes solutions for wall ties, connectors and accessories, and lintels and shelf angles, as provided in AS/NZS 2699.1, AS/NZS 2699.2 and AS/NZS 2699.3 respectively.
- (h) Changes to Table 10.3 to align with changes made to AS 1170.4.

The following are excluded:

- (i) Thermal performance.
- (ii) Acoustic insulation.

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

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.

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