

Built-in components for masonry construction

Part 1: Wall ties



AS 2699.1:2020

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The following are represented on Committee BD-028:

Australasian Corrosion Association
Australian Building Codes Board
Australian Industry Group
Australian Institute of Building Surveyors
Australian Stainless Steel Development Association
Australian Steel Institute
Bureau of Steel Manufacturers of Australia
Concrete Masonry Association of Australia
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Part 1: Wall ties

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Preface

This Standard was prepared by Standards Australia Committee BD-028, Masonry Wall Ties and Accessories, to supersede AS/NZS 2699.1:2000.

This Standard is the first part of a three-part series on masonry wall ties, connectors and accessories, and lintels and shelf angles. The series comprises the following:

AS 2699.1, Built-in components for masonry construction, Part 1: Wall ties

AS 2699.2, Built-in components for masonry construction, Part 2: Connectors and accessories

AS 2699.3, Built-in components for masonry construction, Part 3: Lintels and shelf angles (durability requirements)

The objective of this Standard is to provide manufacturers with requirements for the classification of wall ties into three duty ratings.

Changes to the previous edition include the following:

- (a) Type A cavity wall ties and veneer wall ties are classified according to mean strength only.
- (b) Previous editions of this Standard included Type B ties, which were specified in New Zealand only. These have been removed from this edition of the Standard.
- (c) All ties are classified for their corrosion resistance.
- (d) Provisions are also included for remedial (retrofitted) ties.
- (e) Test methods are given for determination of
 - (i) resistance to water transfer;
 - (ii) mean strength; and
 - (iii) corrosion resistance.

The types and spacing of ties necessary to meet design requirements are specified in AS 3700, *Masonry structures*, and AS 4773.1, *Masonry in small buildings*, *Part 1: Design* and, AS 4773.2, *Masonry in small buildings*, *Part 2: Construction*.

The terms "normative" and "informative" are used in Standards to define the application of the appendices to which they apply. A "normative" appendix is an integral part of a Standard, whereas an "informative" appendix is only for information and guidance.

Notes to clauses in this Standard are for information and guidance only and conformance with them is not a requirement of the Standard.

This Standard includes a commentary on some of the clauses and tables. The commentary directly follows the relevant clause or table, is designated by "C" preceding the clause/table 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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