Australian/New Zealand Standard™

Built-in components for masonry construction

Part 1: Wall ties





AS/NZS 2699.1:2000

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee BD/28, Masonry Wall Ties and Accessories. It was approved on behalf of the Council of Standards Australia on 22 December 1999 and on behalf of the Council of Standards New Zealand on 20 December 1999. It was published on 28 February 2000.

The following interests are represented on Committee BD/28:

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD/28, Masonry Wall Ties and Accessories, to supersede AS 2699—1984, Wall ties for masonry construction, and, in part, NZS 4210:1989, Code of practice for masonry construction: materials and workmanship.

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

AS/NZS

2699 Built-in components for masonry construction

2699.1 Part 1: Wall ties

2699.2 Part 2: Connectors and accessories

2699.3 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. Type A cavity wall ties and veneer wall ties are classified according to characteristic strength only. Type B seismic-resistant veneer ties are classified according to stiffness and characteristic strength which are functions of serviceability, ultimate strength and ductility or toughness. All ties are classified for their corrosion resistance. Provisions are also included for remedial (retrofitted) ties.

Test methods are given for determination of—

- (a) resistance to water transfer;
- (b) characteristic strength and stiffness; and
- (c) corrosion resistance.

The types and spacings of ties necessary to meet design requirements are specified in AS 3700, *Masonry structures*, and NZS 4210, *Code of practice for masonry construction materials and workmanship*.

The terms 'normative' and 'informative' have been used in this Standard 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 compliance with them is not a requirement of the Standard.

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