

AS/NZS 2699.1:2000

AS/NZS 2699.1

Australian/New Zealand Standard™

Built-in components for masonry construction

Part 1: Wall ties



S t a n d a r d s Australia



STANDARDS
NEW ZEALAND
Pāterenga Aotearoa

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The following interests are represented on Committee BD/28:

Association of Consulting Engineers Australia
Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Institute of Steel Construction
Australian Paint Manufacturers Federation
Australian Stainless Steel Development Association
Autoclaved Aerated Manufacturers
Building Research Association of New Zealand
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Part 1: Wall ties

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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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