



Built-in components for masonry construction

Part 2: Connectors and accessories



AS 2699.2:2020

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- Australasian Corrosion Association
- 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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- Housing Industry Association
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Preface

This Standard was prepared by the Standards Australia Committee, BD-028, Masonry Components and Accessories, to supersede AS/NZS 2699.2—2000.

This Standard is the second 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 specifications for corrosion resistance and tests for structural serviceability of connectors and accessories when built into masonry.

The types and spacings of connectors and accessories 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. 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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NOTES

Australian Standard®

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Part 2: Connectors and accessories

Section 1 Scope and general

1.1 Scope

This Standard specifies requirements for connectors and accessories built into masonry, including —

- (a) masonry anchors;
- (b) masonry connectors;
- (c) masonry components other than wall ties;
- (d) tie-downs in masonry;
- (e) bolts and fixings in masonry;
- (f) bed-joint mesh in masonry; and
- (g) all accessories for masonry construction other than —
 - (i) wall ties that are covered by AS 2699.1;
 - (ii) lintels and shelf angles that are covered by AS 2699.3;
 - (iii) damp proof courses and flashings that are covered by AS/NZS 2904 and AS 3700;
 - (iv) termite protection that is covered by AS/NZS 3660 series; and
 - (v) mullions are covered by AS 3700.

NOTE 1 Bed-joint mesh is fabric laid in masonry bed joints as a tying material. This item does not include structural reinforcement in the bed joints of reinforced masonry.

NOTE 2 The design and installation of connectors and accessories are specified in AS 3700, AS 4773.1 (design) and AS 4773.2 (construction).

The requirements for connectors and accessories specified in this Standard cover —

- (A) durability — materials specifications and test methods; and
- (B) structural — test methods only.

NOTE 3 The durability classifications employed in this Standard are compatible with the environments specified in AS 3700, AS 4773.1, AS 4773.2, ISO 9223 and AS 4312—2008.

Because of the wide variety of connectors and accessories and their diverse applications, this Standard does not provide specifications for structural performance parameters. Test methods for these parameters are given for the guidance of manufacturers, designers and purchasers.

NOTE 4 Specifications for structural performance of components may be nominated by manufacturers, or negotiated between manufacturers, suppliers, designers and purchasers.

This Standard applies to connectors and accessories used in masonry described in AS 3700, AS 4773.1 and AS 4773.2.