

AS/NZS 2327:2017
(Incorporating Amendment No. 1)

AS/NZS 2327:2017

Australian/New Zealand Standard™

**Composite structures—Composite
steel-concrete construction in buildings**



AS/NZS 2327:2017

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee BD-032, Composite Construction. It was approved on behalf of the Council of Standards Australia on 25 October 2017 and by the New Zealand Standards Approval Board on 6 November 2017.

This Standard was published on 20 December 2017.

The following are represented on Committee BD-032:

Australian Building Codes Board
Australian Industry Group
Australian Steel Institute
Bureau of Steel Manufacturers of Australia
Cement Concrete and Aggregates Australia—Concrete
Consult Australia
Engineers Australia
Ministry of Business, Innovation and Employment, NZ
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This Standard was issued in draft form for comment as DR AS/NZS 2327:2016.

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Composite structures—Composite steel-concrete construction in buildings

Originated in Australia as AS 1480 Supplement 1—1974.
Previous edition AS 2327.1—2003.
Jointly revised and redesignated as AS/NZS 2327:2017.
Reissued incorporating Amendment No. 1 (June 2020).

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ISBN 978 1 76035 970 6

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Technical Committee BD-032, Composite Construction, to supersede AS 2327.1—2003 *Composite structures, Part 1—Simply supported beams*.

This Standard incorporates Amendment No. 1 (June 2020). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The objective of this Standard is to set out minimum requirements for the design, detailing and construction of composite steel-concrete members (beams, columns, slabs, joints) in buildings. The Standard is to be used by structural engineers when designing steel framed building structures.

This revision incorporates a number of technical and editorial changes, as follows:

- (a) Changes to the strength of concrete, raising the maximum compressive cylinder strength to 100 MPa.
- (b) Changes to the yield strength of steel, raising the maximum tensile yield strength to 690 MPa.
- (c) Provisions for the design of composite slabs using profiled steel sheeting.
- (d) Provisions for the design of composite beams.
- (e) Provisions for the design of composite columns.
- (f) Provisions for the design of composite joints.
- (g) Provisions for system behaviour floor design.
- (h) Provisions for fire design.
- (i) Provisions for earthquake design.

Statements expressed in mandatory terms in Notes to Tables 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 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.

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