AS 3850.1:2015
(Incorporating Amendment No. 1)

AS 3850.1:2015

Australian STANDARD

Prefabricated concrete elements

Part 1: General requirements

STANDARDS Australia

This Australian Standard® was prepared by Committee BD-066, Tilt-up Construction. It was approved on behalf of the Council of Standards Australia on 8 July 2015.
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- Australasian Fire and Emergency Service Authorities Council
- Australian Council of Trade Unions
- Australian Engineered Fasteners and Anchors Council
- Australian Institute of Building Surveyors
- Australian Steel Institute
- Building Designers Association of NSW
- Cement Concrete and Aggregates Australia
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- Engineers Australia
- Master Builders Australia
- National Association of Testing Authorities Australia
- National Precast Concrete Association Australia
- Steel Reinforcement Institute of Australia
- Sydney University
- WorkCover New South Wales
- WorkSafe Victoria

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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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PREFACE

This Standard was prepared by the Standards Australia Committee BD-066, Tilt up Construction, to supersede, in part, AS 3850—2003, *Tilt-up concrete construction*.

This Standard incorporates Amendment No. 1 (January 2019). 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 AS 3850 series comprises the following parts:

AS	
3850	Prefabricated concrete elements
3850.1	Part 1: General requirements
3850.2	Part 2: Building construction

The objective of this part of the Standard is to provide requirements for the materials, components and equipment used in the manufacture of prefabricated concrete elements.

In this Standard where the word ‘shall’ is used, a mandatory requirement is implied; where the word ‘should’ is used, a recommendation is implied.

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 appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

This document includes commentary on some of the clauses of the Standard. 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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Part 1: General requirements

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard provides general requirements for the materials, components and equipment used in the manufacture of prefabricated concrete elements.

1.2 APPLICATION

This Standard shall be read in conjunction with AS 3850.2 and AS 3600.

1.3 NORMATIVE REFERENCES

The following are the normative documents referenced in this Standard.

NOTE: Documents referenced for informative purposes are listed in the Bibliography.

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1012	Methods of testing concrete (series)
1110	ISO metric precision hexagon bolts and screws (series)
1111	ISO metric hexagon bolts and screws
1111.1	Part 1: Product grade C—Bolts
1199	Sampling procedures for inspection by attributes
1199.1	Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection
1171	Non-destructive testing—Magnetic particle testing of ferromagnetic products, components and structures
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