

Australian Standard™

Formwork for concrete

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The following are represented on Committee BD-043:

Aluminium Development Council
Australian Federation of Construction Contractors
AUSTROADS
Building Management Authority of W.A.
Cement and Concrete Association of Australia
Department of Employment, Vocational Education, Training and Industrial Relations
Department of Occupational Health Safety and Welfare, Western Australia
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PREFACE

This Standard is a new edition of AS 3610—1990 and incorporates a number of changes and corrections to the previous edition, specifically in Clauses 1.3, 1.6, 3.4.5.2, 4.5.5.3, 4.5.6.3, 4.6.3, 5.4.3.2, 5.4.4 and 5.6.4.2; Paragraphs A4.4.3, A4.4.4, A5.3 and A6; Tables 3.4.1, 3.4.2, 4.4.1, 4.5.1, 4.5.2, 4.5.3, 4.5.4, 5.3.1 and 5.4.2; and Figure 5.3.1.

This Standard incorporates Amendment No. 1 (January 2003). 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 requirements for the design, fabrication, erection and stripping of formwork as well as evaluation of the formed concrete surface.

Where mandatory notes to tables are used in this Standard, they are deemed to form an integral part of the Standard.

Photographic charts for the assessment of colour and surface finish are provided in the appendices. Additional copies of these charts are available as AS 3610, Supplement 1.

AS 3610 Supplement 2 provides a commentary on this Standard. The commentary includes background information on the Standard, guidance on its use, and suggestions on good practice.

A1 | Statements expressed in mandatory terms in notes to tables are deemed to be requirements of this Standard.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

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STANDARDS AUSTRALIA

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SECTION 1 GENERAL

1.1 SCOPE

This Standard sets out requirements for the design, fabrication, erection and stripping of formwork, as well as the specification, evaluation and repair of the quality of the formed concrete surface and the influence of this activity on the design and construction of an in situ concrete structure. Design by testing is considered separately, the requirements being set out in Appendix A. Some Sections of the Standard are also applicable to precast concrete, in particular some aspects of Sections 3 and 5.

This Standard does not apply to unformed concrete surfaces, e.g. tops of slabs.

1.2 APPLICATION

Formwork requirements in the project documentation shall comply with Section 2. The concrete surface finish shall comply with Section 3. The structural design of formwork shall comply with Section 4. The procedures to be followed in construction, checking the completed work and carrying out repairs shall be in accordance with Section 5.

1.3 REFERENCED DOCUMENTS

The documents below are referred to in this Standard:

AS

1170	Minimum design loads on structures (known as the SAA Loading Code)
1170.2	Part 2: Wind loads
1170.4	Part 4: Earthquake loads
1576	Scaffolding
1657	Fixed platforms, walkways, stairways and ladders—Design, construction and installation
1664	Rules for the use of aluminium in structures (known as the SAA Aluminium Structures Code)
1720	Timber Structures (known as SAA Timber Structures Code)
2082	Visually stress-graded hardwood for structural purposes
2271	Plywood and blockboard for exterior use
2858	Timber—Softwood—Visually stress-graded for structural purposes
3600	Concrete structures
3700	Masonry in buildings (known as the SAA Masonry Code)
3972	Portland and blended cements
4100	Steel structures
AS/NZS	
2269	Structural plywood



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