

Australian Standard™

## **Tilt-up concrete construction**

This Australian Standard was prepared by Committee BD-066, Tilt-up Construction. It was approved on behalf of the Council of Standards Australia on 27th May 2003 and published on 23 June 2003.

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The following are represented on Committee BD-066:

- Association of Consulting Engineers Australia
- Australasian Fire Authorities Council
- Australian Building Codes Board
- Australian Council of Trade Unions
- Australian Pre-Mixed Concrete Association
- Cement and Concrete Association of Australia
- Concrete Institute of Australia
- Construction, Forestry, Mining and Energy Union
- Crane Industry Council of Australia
- National Precast Concrete Association Australia
- National Tilt-up Association
- Steel Reinforcement Institute of Australia
- Tilt-up Association of Australia
- Tilt-up Contractors Association of Australia
- Victorian WorkCover Authority
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## Tilt-up concrete construction

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AS 3850.1—1990, AS 3850.2—1990 and AS 3850.3—1992 revised,  
amalgamated and redesignated as AS 3850—2003.

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## PREFACE

This Standard was prepared by the Standards Australia Committee BD-066, Tilt-up Construction, to supersede AS 3850.1—1990, *Tilt-up concrete and precast concrete elements for use in buildings Part 1: Safety requirements*, AS 3850.2—1990, *Tilt-up concrete and precast concrete elements for use in buildings Part 2: Guide to design, casting and erection of tilt-up panels* and AS 3850.3—1992 *Tilt-up concrete and precast concrete elements for use in buildings Part 3: Guide to the erection of precast concrete members* in response to the call from industry to update them and regulatory authorities to expand the requirements relating to safety. The Standard is to be read in conjunction with AS 3600, *Concrete structures*.

Although the Standard has been written primarily to address the construction of concrete buildings using ‘tilt-up’ panels, the rules may be appropriate for other forms of precast concrete construction.

A ‘Tilt-up’ panel is defined as ‘an essentially flat concrete panel; cast in a horizontal position, usually on-site; initially lifted by rotation about one edge until in a vertical or near-vertical position; transported and lifted into position if necessary; and then stabilized by bracing members until incorporated into the final structure’.

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.

In the Standard where the word ‘shall’ is used a mandatory requirement is implied and where the word ‘should’ is used the requirement is advisory.

*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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