

Australian Standard<sup>®</sup>

**Installation of roof tiles**



This Australian Standard® was prepared by Committee BD-008, Roof Tiles. It was approved on behalf of the Council of Standards Australia on 28 August 2002. This Standard was published on 30 October 2002.

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The following are represented on Committee BD-008:

- Australian Building Codes Board
  - Australian Council of Trade Unions
  - CSIRO Manufacturing & Infrastructure Technology
  - Housing Industry Association
  - Master Builders Australia
  - Master Roof Tilers and Slaters Association of NSW
  - Monash University
  - National Roof Tiling Industry Training Committee
  - Queensland Master Roof Tilers Association
  - Roofing Tile Association of Australia
  - Victorian Roofing Tile Association
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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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AS 2050—2002  
(Incorporating Amendment Nos 1 and 2)

Australian Standard<sup>®</sup>

## Installation of roof tiles

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## PREFACE

This Standard was prepared by the Standards Australian Committee BD-008, Roof Tiles, to supersede AS 2050—1995, *Installation of roof tiles*.

*This Standard incorporates Amendment No. 1 (December 2005) and Amendment No. 2 (October 2012). 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 provide installers of roof tiles, complying with AS 2049, with specifications covering the installation of such roof tiles for use in domestic, commercial or light industrial applications.

This revision extends the subject matter beyond the installation of roof tiles. It includes installing tolerances for battens, minimum installing requirements for tiles and accessories, and a general requirement for compliance with the dynamic weather resistance test. It also includes informative appendices on the recommended nail sizes for battens relative to rafter spacing for both hand nailing and machine nailing.

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The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

The use of Notes in this Standard are of an advisory nature only to give explanation or guidance to the user on recommended design considerations or technical procedures, or to provide an informative cross-reference to other documents or publications. Notes to clauses in this Standard do not form a mandatory part for compliance with this Standard.

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

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## STANDARDS AUSTRALIA

**Australian Standard**  
**Installation of roof tiles**

## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard sets out requirements for the placement and installing of roof tiles of the types specified in AS 2049. The installation methods described in this Standard apply only to tiled roofs of buildings that are intended for domestic, commercial or light industrial purposes for wind classifications N1-N4 and C1-C3 inclusive.

This Standard applies only to roofs with a pitch of 15° or greater.

## NOTES:

- 1 This Standard does not restrict the use of other installing and fastening methods or materials where it can be shown that they are not inferior to the performance achieved by the materials and methods described herein.
- 2 Where it is intended to install tiles to roofs with a pitch of less than 15°, the tile manufacturer's advice should be sought to determine weatherproofing requirements.
- 3 The type of roof construction described in this Standard may not be adequate to resist wind forces in cases where the height of the eaves is more than 15 m above the mean surrounding ground level. In such cases, or in cyclone prone areas, or where high winds are known to occur, the installation and fastening methods given in Appendix C are a recommended minimum.
- 4 Appendix B includes information on the data normally provided by the specifier and the tile manufacturer, and on the work normally carried out as part of the tiling operation.

**1.2 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

## AS

	1170	Structural design actions
A2	1170.3	Part 3: Snow and ice actions
A2	1397	Continuous hot-dip metallic coated steel sheet and strip—Coatings of zinc and zinc alloyed with aluminium and magnesium
	1478	Chemical admixtures for concrete, mortar and grout
	1478.1	Part 1: Admixtures of concrete
A2		<b>'Text deleted'</b>
	1562	Design and installation of sheet roof and wall cladding
	1562.1	Part 1: Metal
	1684	Residential timber-framed construction
	1684.2	Part 2: Non-cyclonic areas
	1684.3	Part 3: Cyclonic areas
	1720	Timber structures
	1720.1	Part 1: Design methods
	2049	Roof tiles