



## Installation of roof tiles



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This Australian Standard® was prepared by Committee BD-008, Roof Tiles. It was approved on behalf of the Council of Standards Australia on 16 June 2018.  
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- Australian Building Codes Board
  - Australian Council of Trade Unions
  - CSIRO Infrastructure Technologies
  - Cyclone Testing Station
  - Department of Housing and Public Works (QLD)
  - Housing Industry Association
  - National Association of Steel-Framed Housing
  - Queensland Master Roof Tilers Association
  - Roofing Industry Association of NSW
  - Roofing Tile Association of Australia
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This Standard was issued in draft form for comment as **DIS AS 2050:2016**.

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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Australian Standard®

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## PREFACE

This Standard was prepared by the Standards Australian Committee BD-008, Roof Tiles, to supersede AS 2050—2002.

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.

The objective of revision is to update the Standard with correct references and aligns with the requirements of primary reference National Construction Code.

Standards Australia thanks NASH (National Association of Steel-framed Housing) for permission to reproduce sections of NASH Standard, *Residential and Low-rise Steel Framing, Part 2: Design Solutions*, in Table 2.2.2(A) and (B), Figure 2.2.2 and Table 3.2.6 of this Standard. This content may not be reproduced or sublicensed without further permission from the copyright holder.

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.

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 to tiled roofs of buildings that are intended for domestic, commercial or light industrial purposes.

This Standard applies only to roofs with a pitch of 15° or greater where the height of the eaves is not more than 15 m above the mean surrounding ground level.

## 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 Appendix A 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.
- 4 Appendix B outlines information and work not normally provided by the roof tiler.
- 5 Appendix C provides details about additional options for fixing battens.

**1.2 APPLICATION**

Roofs covered by this Standard shall be in conformance with the wind load requirements of either—

- (a) AS 4055 for class 1 and 10 buildings for wind speeds up to N6/C4; or
- (b) AS 1170.2 for class 2 to 9 buildings for equivalent wind speeds, as identified by the designer.

NOTE: For class 2 to 9 buildings, a reference in this Standard to a wind loading classification under AS 4055 should be read to be an equivalent wind loading calculated using AS/NZS 1170.2. This information should be provided by the designer, as described in Appendix A.

**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.

AS	
1397	Continuous hot-dip metallic coated steel sheet and strip—Coatings of zinc and zinc alloyed with aluminium and magnesium
1684	Residential timber-framed construction (series)
1720	Timber structures (series)
2049	Roof tiles
2334	Steel nails—Metric series