

Australian Standard[®]

Installation of roof tiles

This Australian Standard was prepared by Committee BD/8, Roof Tiles. It was approved on behalf of the Council of Standards Australia on 21 October 1994 and published on 5 January 1995.

The following interests are represented on Committee BD/8:

Australian Building Codes Board
Australian Chamber of Commerce and Industry
Concrete Roof Tile Manufacturers Association of Australia
CSIRO Division of Building Construction & Engineering
Department of Housing Local Government & Planning, Qld
Housing Industry Association
Master Builders Australia
Master Tilers, Slaters & Shinglers Association of N.S.W.
Monash University
National Association of Steel-Framed Housing
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Slaters Tilers and Roofing Industry Union of Victoria
Victorian Roofing Tile Association

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PREFACE

This Standard was prepared by the Standards Australian Committee BD/8 on Roof Tiles to supersede AS 2050—1989, *Fixing of roofing tiles*. In this edition, the subject matter has been extended beyond just the fixing of roof tiles.

The objective of this Standard is to provide installers of concrete and terracotta roof tiles with specifications covering the installation and performance of such roof tiles for use in domestic, commercial or light industrial applications.

The previous edition was prepared jointly by the Committees on Concrete Roof Tiles and Terra Cotta Roofing Tiles as a revision and amalgamation of AS 1758—1975, *Code of practice for the fixing of concrete interlocking roofing tiles (without weathering check)*, AS 1760—1975, *Code of practice for the fixing of concrete interlocking roofing tiles (with weathering check)*, and AS 2050—1977, *Code of practice for the fixing of terra cotta roofing tiles*.

AS 1758 was first issued as an SAA Interim Standard, SAA Int. 311, in 1951. AS 1760 was first issued as AS CA6 in 1933 and revised in 1949. SAA Int. 311 was revised and issued as AS CA46 in 1967. Both documents were subsequently revised and issued as AS 1758 and AS 1760 in 1975. AS 2050 was first issued as AS CA5 in 1933 and revised in 1950 and 1963. AS CA5 was revised again and reissued as AS 2050 in 1977.

This edition includes fixing tolerances for battens, minimum fixing requirements for tiles and accessories, and a general requirement for compliance with the CSIRO, Division of Building Construction and Engineering dynamic weather resistance test. It also includes informative appendices on the recommended nail sizes for batten size relative to rafter spacing for both hand nailing and gun nailing.

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

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STANDARDS AUSTRALIA

Australian Standard
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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard sets out requirements for the placement and fixing of concrete and terracotta roof tiles of the types specified in AS 2049. The fixing methods described in this Standard apply only to roofs of buildings which are intended for domestic, commercial or light industrial purposes.

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

NOTES:

- 1 This Standard does not restrict the use of other fixing 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 fix tiles to roofs with a pitch of less than 15°, the tile manufacturer's advice should be sought.
- 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 areas where cyclones or high winds are known to occur, the fixing and fastening methods and sarking recommendations given in Appendix A are recommended.
- 4 Appendix B provides 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 documents below are referred to in this Standard:

AS

1170	Minimum design loads on structures (known as the SAA Loading Code)
1170.1	Part 1: Dead and live loads and load combinations
1170.2	Part 2: Wind loads
1170.3	Part 3: Snow loads
1316	Masonry cement (metric units)
1397	Steel sheet and strip—Hot-dipped zinc-coated or aluminium/zinc coated
1562	Design and installation of sheet roof and wall cladding
1562.1	Part 1: Metal
1672	Limes and limestones
1672.1	Part 1: Limes for buildings
1684	National Timber Framing Code
1720	Timber Structures (known as the SAA Timber Structures Code)
1720.1	Part 1: Design methods
2049	Roof tiles
2334	Steel nails—Metric series
2758	Aggregates and rock for engineering purposes



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