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Australian Standards 2049 and 2050—1977

TERRA COTTA ROOFING TILES



STANDARDS ASSOCIATION OF AUSTRALIA
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THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL ORGANIZATIONS and departments were officially represented on the committee entrusted with the preparation of these standards:

**Associated Chambers of Manufactures of Australia
Commonwealth Savings Bank of Australia
CSIRO, Division of Building Research
Department of Construction
Department of Local Government, N.S.W.
Department of Public Works, N.S.W.
Experimental Building Station
Housing Commission of N.S.W.
Municipal Association of Victoria
Registry of Co-operative Societies of N.S.W.
Royal Australian Institute of Architects
Slaters, Tilers and Roofing Industry Union of Victoria
State Savings Bank of Victoria
Terra Cotta Roofing Tile Association**

These standards, prepared by the Committee BD/8, Terra Cotta Roofing Tiles, were approved on behalf of the Council of the Standards Association of Australia on 24 February 1977, and were published on 1 July 1977.

To keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the head office of the Association, are welcomed.

These standards were issued in draft form for public review as DR 75050 and DR 75051

AUSTRALIAN STANDARDS

**SPECIFICATION FOR
TERRA COTTA
ROOFING TILES
AS 2049—1977**

together with

**CODE OF PRACTICE FOR
THE FIXING OF TERRA
COTTA ROOFING TILES
AS 2050—1977**

First issued (as AS A13 and AS CA5)	1933
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PREFACE

These two standards have been prepared by the Association's Committee on Terra Cotta Roofing Tiles as revisions and metrications of AS A13—1963 and AS CA5—1963, which they accordingly supersede.

Some editorial revisions have been introduced to make the various sections consistent. Certain minor alterations to dimensions have also been included for the same reason. In respect of battens, the code recommendations have been amended to align with AS 1684, SAA Light Timber Framing Code, and extensions have been made to the provisions for clipping and wiring tiles thereto.

The standards have been clarified in respect of wind velocity for which the fixing methods described are appropriate, in accordance with AS 1170, SAA Loading Code, Part 2—Wind Forces.

Users of terra cotta tiles should note that there is a risk that tiles with high water absorption may deteriorate after prolonged exposure to salt-laden marine atmospheres.

These standards require reference to the following standards and publications:

AS 1170	SAA Loading Code Part 2 —Wind forces
AS 1397	Hot-dipped Zinc-coated or Aluminium/Zinc-coated Steel Sheet in Coil and Cut Lengths
AS 1538	SAA Cold-formed Steel Structures Code
AS 1684	SAA Light Timber Framing Code
AS 1720	SAA Timber Engineering Code
AS 1736	Code of Practice for Pliable Roof Sarking
AS 1903	Reflective Foil Laminate
AS 1904	Code of Practice for Installation of Reflective Foil Laminate in Buildings
AS A123	Mortar for Masonry Construction
AS B128	Methods for the Verification of Testing Machines
SAA MA1	Manual on Steel Structures Part 5—Protection of Steel from Corrosion
BS 1014	Pigments for Cement.

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CONTENTS

	<i>Page</i>
AS 2049—1977 TERRA COTTA ROOFING TILES	
SECTION 1. SCOPE AND GENERAL	4
SECTION 2. SHINGLE (PLAIN) ROOFING TILES	10
SECTION 3. SIDE LOCKING ROOFING TILES	12
SECTION 4. FRENCH (MARSEILLES) PATTERN ROOFING TILES	14
SECTION 5. SWISS PATTERN ROOFING TILES	16
SECTION 6. SPANISH PATTERN ROOFING TILES	18
APPENDIX A. METHOD FOR DETERMINING TRANSVERSE STRENGTH	20
APPENDIX B. METHOD FOR TESTING PERMEABILITY	21
 AS 2050—1977 CODE OF PRACTICE FOR THE FIXING OF TERRA COTTA ROOFING TILES	
SECTION 1. SCOPE AND GENERAL	25
SECTION 2. SHINGLE TILES	46
SECTION 3. SIDE LOCKING TILES	47
SECTION 4. FRENCH (MARSEILLES) PATTERN TILES	48
SECTION 5. SWISS PATTERN TILES	50
SECTION 6. SPANISH PATTERN TILES	52
APPENDIX A. EXPRESSION OF ROOF PITCH	54
APPENDIX B. PRECAUTIONS AGAINST WIND EFFECTS	56

STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard Specification
for
TERRA COTTA ROOFING TILES

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This specification applies to terra cotta roofing tiles and accessories of the types listed in Clauses 1.2 and 1.4.

1.2 TYPES. The types of roofing tile included in this specification are as follows:

- (a) Shingle (plain) types; an example is illustrated in Fig. 1.
- (b) Side locking types; an example is illustrated in Fig. 2.
- (c) French (Marseilles) pattern; an example is illustrated in Fig. 3.
- (d) Swiss pattern; an example is illustrated in Fig. 4.
- (e) Spanish pattern; an example is illustrated in Fig. 5.

NOTE: Attention is drawn to the fact that Figs 1 to 6 are included in this specification for the purpose of illustrating the terms used, and are not intended to show design details. The shapes shown are not to be regarded as part of the specification.

1.3 APPLICATION. The roofing tiles shall comply with the relevant requirements of this Section and with the requirements of the following Sections, as appropriate to the type of tile:

- Section 2. Shingle (plain) roofing tiles
- Section 3. Side locking roofing tiles
- Section 4. French (Marseilles) pattern roofing tiles
- Section 5. Swiss pattern roofing tiles
- Section 6. Spanish pattern roofing tiles

1.4 ACCESSORIES (RIDGING, HIPS, ETC). Ridge and hip tiles shall not exceed 550 mm in length. Their end lap shall be not less than 25 mm and the wings not less than 100 mm on the inside, as illustrated in Fig. 6. The wing measurement in half-round fittings shall be taken as the chord measure of half the arc.

1.5 BRANDING. All tiles and accessories shall bear the mark of the manufacturer.

NOTE: The Standards Association of Australia is the owner of a registered certification trademark. This is shown below enclosed in the words 'Approved to Australian Standard 2049'.

This mark can be used only by the manufacturers licensed under the certification mark scheme operated by the SAA, and only when accompanied by the number of the relevant Australian standard.