

Australian Standard[®]

**Waterproofing membranes for external
above-ground use**

Part 1: Materials



This Australian Standard® was prepared by Committee BD-013, External waterproofing membranes. It was approved on behalf of the Council of Standards Australia on 2 July 2012. This Standard was published on 14 September 2012.

The following are represented on Committee BD-013:

- Australian Building Codes Board
 - Australian Chamber of Commerce and Industry
 - Australian Institute of Waterproofing
 - Australian Tile Council
 - CSIRO Manufacturing and Infrastructure Technology
 - Housing Industry Association
 - Importers Distributors and Sealants Manufacturers Association of Australia
 - Master Builders Australia
 - South Australian Housing Trust
 - TAFE NSW
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This Standard was issued in draft form for comment as DR AS 4654.1.

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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Waterproofing membranes for external above-ground use

Part 1: Materials

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PREFACE

This Standard was prepared by the Standards Australia Committee BD-013, External Waterproofing Membranes, to supersede AS 4654.1—2009, *Waterproofing membrane systems for exterior use—Above ground level*, Part 1: *Materials*.

This Standard has been prepared in response to numerous requests from industry representatives in the field of external waterproofing, especially in the areas of roofs, decks and balconies.

The objective of this Standard is to provide a consistent and reliable approach to the materials used in the design and installation of external waterproofing membrane systems.

The objective of this revision is to align this Standard with the protocols and requirements as set out by the Australian Building Codes Board (ABCB).

This Standard is Part 1 of a series of Standards on external waterproofing, as follows:

AS

4654 Waterproofing membrane systems for external above-ground use

4654.1 Part 1: Materials

4654.2 Part 2: Design and installation

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

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FOREWORD

This Standard sets out the requirements for materials forming part of a waterproofing system on the surface of building materials, to prevent the ingress of water. These requirements are based on the need to identify suitable criteria for the range of waterproofing materials.

Industry research and experience has shown that the design of roofs, decks, balconies and planter boxes contributes to many of the failures of waterproofing mediums used and, by setting a standard for materials design and installation for construction, the failure rate will be dramatically reduced.

The Australian Standard for the design and installation of waterproofing building elements (such as roofs and similar horizontal surfaces and retaining walls and similar vertical surfaces) was first published in 2009 (AS 4654.1).

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