

Australian/New Zealand Standard

**Pliable building membranes and
underlays**

Part 2: Installation requirements

AS/NZS 4200.2:1994

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee BD/48, Pliable Building Membranes. It was approved on behalf of the Council of Standards Australia on 20 May 1994 and on behalf of the Council of Standards New Zealand on 16 May 1994. It was published on 18 July 1994.

The following interests are represented on Committee BD/48:

Aluminium Development Council, Australia
Auckland Manufacturers Association
Australian Building Codes Board
Australian Institute of Building
Australian Institute of Refrigeration, Air Conditioning and Heating
Building Research Association of New Zealand
Concrete Roof Tile Manufacturers Association of Australia
CSIRO, Division of Building, Construction and Engineering, Australia
Fibreglass and Rockwool Insulation Manufacturers Association of Australia
Housing Industry Association, Australia
Master Builders Australia
New Zealand Manufacturers' Federation
New Zealand Manufacturing Interests
Plastics Industry Association, Australia
Royal Melbourne Institute of Technology
Victorian Roofing Tile Association

Review of Standards. To keep abreast of progress in industry, Joint Australian/New Zealand Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Joint Standards and related publications will be found in the Standards Australia and Standards New Zealand Catalogue of Publications; this information is supplemented each month by the magazines 'The Australian Standard' and 'Standards New Zealand', which subscribing members receive, and which give details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

Australian/New Zealand Standard

Pliable building membranes and underlays

Part 2: Installation requirements

First published as part of AS CA22—1965.
Revised and redesignated AS 1736—1975.
AS 1904 first published 1976.
AS 1904—1976 and part of AS 1736—1975 jointly
revised, amalgamated and redesignated as Joint Standard
AS/NZS 4200.2:1994.

PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA
1 The Crescent,
Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND
Level 10, Standards House,
155 The Terrace,
Wellington 6001 New Zealand

ISBN 0 7262 9010 6

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD/48 on Pliable Building Membranes as a revision and amalgamation of AS 1736—1975, *Code for Pliable Roof Sarking* (in part), and AS 1903—1976, *Reflective foil laminate* (in part).

It is issued as a Joint Standard under the terms of the Active Cooperation Agreement between Standards Australia and Standards New Zealand.

The tests from the Appendices of both these Standards have been issued concurrently with this Standard as a separate series entitled AS 4201, *Pliable building membranes and underlays — Methods of test*.

AS 1736 was first issued as AS CA22 in 1965. In 1975, AS CA22 was revised and issued as AS 1736. In 1976, AS 1904 was first published.

The Standard prescribes the installation for pliable building as well as test methods.

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.

© Copyright — STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Users of Standards are reminded that copyright subsists in all Standards Australia and Standards New Zealand publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia or Standards New Zealand may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia or Standards New Zealand. Permission may be conditional on an appropriate royalty payment. Australian requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia. New Zealand requests should be directed to Standards New Zealand.

Up to 10 percent of the technical content pages of a Standard may be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia or Standards New Zealand.

Inclusion of copyright material in computer software programs is also permitted without royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia or Standards New Zealand at any time.

CONTENTS

	<i>Page</i>
1 SCOPE	4
2 APPLICATION	4
3 REFERENCED DOCUMENTS	4
4 DEFINITIONS	5
5 ALLOWABLE USE BASED ON DUTY CLASSIFICATIONS	5
6 INSTALLATION OF PLIABLE BUILDING MEMBRANES IN TILED ROOFING	5
7 INSTALLATION OF PLIABLE BUILDING MEMBRANES IN SHEET ROOFING, CEILINGS AND FLOORS	7
8 INSTALLATION OF PLIABLE BUILDING MEMBRANES IN WALLS AND GABLES	8
9 PENETRATIONS	8
APPENDIX A PROTECTION AGAINST CONDENSATION	9

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard

Pliable building membranes and underlays

Part 2: Installation requirements

1 SCOPE This Standard sets out the installation procedures for a pliable building membrane (also known as underlay) in any of the following circumstances:

- (a) When it is intended to act as a sarking membrane or thermal insulation or a vapour barrier when installed in a building structure.
- (b) When installed either independently, or as a facing to other materials such as insulation materials.
- (c) When installed in domestic, commercial or industrial buildings.

The installation of pliable building membranes in air-handling ducts and under concrete slabs are outside the scope of this Standard.

NOTES:

- 1 Thermal insulation requirements are specified in AS 2627.
- 2 This Standard will be referenced in the Building Code of Australia by way of BCA Amendment 7 intended for publication in October 1994, thereby superseding the previous editions of AS 1736—1975 and AS 1904—1976, which will be withdrawn 12 months from the date of publication of this Standard.

Users are advised that when BCA Amendment 7 is issued, it will not necessarily be gazetted in each State/Territory at the time of printing

2 APPLICATION This Standard sets only the minimum requirements for the installation of pliable building membranes and does not purport to provide for all the requirements for any particular installation. As pliable building membranes can be used to perform various functions, for example as a vapour barrier, as an insulation material, or even as a barrier to burning embers in bushfire prone areas, care needs to be taken to ensure that any requirements of the regulatory authorities are applied to the intended functions of the pliable building membranes.

NOTE: As this Standard specifies only minimum requirements, any special requirements relevant to the end use of the installation should be stated by the purchaser in the inquiry and contract documents.

3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS	
1736	Code of practice for pliable roof sarking
1904	Code of practice for installation of reflective foil laminate in buildings
2627	Thermal insulation of dwellings
3959	Construction of buildings in bushfire-prone areas
4200	Pliable building membranes and underlays
4200.1	Part 1: Materials



SAI GLOBAL

This is a free 6 page sample. Access the full version online.

The remainder of this document
is available for purchase online at

www.saiglobal.com/shop

SAI Global also carries a wide range of publications from a wide variety of Standards Publishers:



Click on the logos to search the database online.