

1982
WITHDRAWN: 1 April 1997
Under Revision See DR 96107

SUPERSEDED BY: AS/NZS 1859.5:1997

AS 2459—1982
UDC 676.28:691.147.2:699.86

Australian Standard 2459—1982

ORGANIC FIBRE INSULATING BOARD

[Title allocated by Defence Cataloguing Authority:
INSULATION BOARD, THERMAL; INSULATION BLOCK,
THERMAL (Vegetable Fibre)]



STANDARDS ASSOCIATION OF AUSTRALIA
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Australian Council of Furniture Manufacturers Associations
Australian Institute of Building
Australian Particleboard Manufacturers Association
CSIRO, Division of Building Research
Housing Commissions
Master Builders Federation of Australia
Lending Institutions
Plywood Association of Australia Ltd
Royal Australian Institute of Architects
Sawmillers Associations
State Forestry Departments
Timber Merchants Associations

This standard, prepared by Committee TM/105, Reconstituted Wood Products, was approved on behalf of the Council of the Standards Association of Australia on 19 February 1982, and was published on 5 April 1982.

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This standard was issued in draft form for comment as DR 80060.

AUSTRALIAN STANDARD

ORGANIC FIBRE INSULATING BOARD

AS 2459—1982

First published1982

PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
STANDARDS HOUSE, 80 ARTHUR ST, NORTH SYDNEY, N.S.W.

ISBN 0 7262 2491 X

30 MAR 1982



PREFACE

This standard was prepared by a subcommittee of the Association's Committee on Reconstituted Wood Products. It supersedes AS O116—1968, Organic Fibre Insulating Board.

The standard is intended to meet the needs of users and manufacturers of organic fibre insulating board and is one of a group of standards covering cellulosic fibre-boards having applications in the building industry and other fields. Others in the group are as follows:

- AS 2456 Method of Sampling Fibre Building Boards
- AS 2457 Methods of Testing Fibre Building Boards
- AS 2458 Hardboard

The standard describes only one grade of board. Sheathing grade insulating board as described in AS O116 has been omitted because it is no longer manufactured in Australia.

Purchasers having doubts as to the suitability or proper performance of the product in a particular application should seek the advice of the manufacturer prior to purchase.

Organic fibre insulating board, like natural timber and any other wood-bases product, will change in dimension and strength with variations in moisture content resulting from undue exposure to the action of weather. Precautionary measures should be taken in the storage and use of the material as set out in Appendix D, in order to ensure its proper performance.

This standard makes reference to the following standards:

- AS 2456 Methods of Sampling Fibre Building Boards
- AS 2457 Methods of Testing Fibre Building Boards.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
for
ORGANIC FIBRE INSULATING BOARD

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This standard specifies requirements for the dimensions and properties of organic fibre insulating board.

NOTES:

1. Properties of organic fibre insulating board are summarized in Appendix A.
2. Sampling, testing and acceptance are described in Appendix B.
3. Information to be supplied with enquiries and orders for organic fibre insulating board is set out in Appendix C.
4. Good practice for the handling and storage of organic fibre insulating board is described in Appendix D.

1.2 APPLICATION. The requirements for dimensions and shape apply to each individual sheet, while requirements for density, bending strength and water absorption are specified in terms of the sampling of a lot.

1.3 DEFINITIONS. For the purpose of this standard, the following definitions apply:

Fibre building board—sheet material manufactured from ligno-cellulosic fibres with the primary bond deriving from the felting of the fibres and their inherent adhesive properties. Bonding or impregnating agents may be added during manufacture of the sheets.

Organic fibre insulating board—fibre building board having a mean density not exceeding 350 kg/m^3 , and a mean thermal conductivity not exceeding 0.065 W/m.K .

NOTE: In a lot of organic fibre insulating board, the density of individual sheets may vary within the limits prescribed in Clause 2.3.