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Amendment 1 - Aug 1982

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~~RE
STANDARDS AUSTRALIA~~

AS 2458—1982
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Australian Standard 2458—1982

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HARDBOARD

[Title allocated by Defence Cataloguing Authority:
BUILDING BOARD, HARD PRESSED, VEGETABLE FIBRE]



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter



THE FOLLOWING SCIENTIFIC, INDUSTRIAL, PROFESSIONAL AND GOVERNMENTAL organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

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 80059.

STANDARDS ASSOCIATION OF AUSTRALIA
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Amendment No 1
to
AS 2458—1982
HARDBOARD

CORRECTIONS

SUMMARY: This amendment applies to Appendix A.

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AUSTRALIAN STANDARD

HARDBOARD

AS 2458—1982

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PREFACE

This standard was prepared by a subcommittee of the Association's Committee on Reconstituted Wood Products. It supersedes AS O114—1968, Hardboard.

The standard is intended to meet the needs of users and manufacturers of hardboard and is one of a group of standards covering cellulosic fibreboards having application 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 2459 Organic Fibre Insulating Board

The standard includes two new grades of hardboard not previously specified. These are Standard Grade, Type RD, manufactured for interior uses such as wall lining and floor underlay; and Exterior Grade, specially treated to ensure long-term performance as exterior wall cladding and similar uses.

Hardboard, like natural timber and any other wood-based product, will change in dimension and strength with variations in moisture content. Undue exposure may therefore have deleterious effects on the properties of some grades of hardboard and precautionary measures should be taken in the storage and use of the material as set in Appendix D in order to ensure its proper performance.

This standard makes reference to the following standards:

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

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STANDARDS ASSOCIATION OF AUSTRALIA

**Australian Standard
for
HARDBOARD**

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This standard specifies requirements for the dimensions and properties of three grades of hardboard.

NOTES:

1. Properties of hardboard 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 hardboard is set out in Appendix C.
4. Good practice for the handling and storage of hardboard 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.

Hardboard—a pressed homogeneous fibre building board having a mean density of not less than 800 kg/m³.

Thickened sheets—sheets with the thickness tolerance reduced to fine limits.

1.4 CLASSIFICATION. Hardboard shall be classified as follows:

- (a) *Standard hardboard*—
 - (i) *Type GP*—general purpose board suitable for interior use.
 - (ii) *Type RD*—reduced density board manufactured for specific interior uses such as wall lining and floor underlay.
- (b) *Tempered hardboard*—hardboard treated during manufacture to give higher resistance to water absorption and to ensure a modulus of rupture greater than is provided in standard hardboard types.
- (c) *Exterior hardboard*—hardboard treated during manufacture to ensure high resistance to weathering and thus long-term performance as exterior wall cladding and similar applications.