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THE APPLICATION AND FINISHING OF GYPSUM PLASTERBOARD IN FRAMED DWELLING CONSTRUCTION



STANDARDS ASSOCIATION OF AUSTRALIA

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Acceptable Standards of Construction Committee, N.S.W.
CSIRO, Division of Building Research
Experimental Building Station
Federation of Wall and Ceiling Contractors of Australia and New Zealand
Housing Authorities
Local Government Department of Victoria
Major Long Term Lending Authorities of Victoria
Master Builders Federation of Australia Incorporated
Royal Australian Institute of Architects
Royal Australian Chemical Institute
Victorian Sawmillers Association

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AUSTRALIAN STANDARD

**THE APPLICATION AND
FINISHING OF GYPSUM
PLASTERBOARD IN FRAMED
DWELLING CONSTRUCTION**

AS 2589-1983

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PREFACE

This standard was prepared by the Association's Committee on Gypsum Plaster Products. It is one of a series relating to reinforced gypsum plaster for building purposes.

Gypsum plasterboard has become one of the most commonly used materials for wall and ceiling linings in conventional building applications. This standard provides a general reference for the building industry and specifiers, and a basic standard for adoption in regulations.

Reference is made in the standard to the necessity for certain materials to be approved by the Building Authority. The Federation of Wall and Ceiling Contractors of Australia and New Zealand and the manufacturers of the gypsum plasterboard can give technical advice concerning the choice of materials not specified.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

for

THE APPLICATION AND FINISHING OF GYPSUM PLASTERBOARD IN FRAMED DWELLING CONSTRUCTION

1 SCOPE. This standard sets out requirements for the application and finishing of gypsum plasterboard linings to walls and ceilings in framed dwelling construction in order to provide for serviceability and surface decoration.

NOTES:

1. Time-rated fire-resistant systems are not covered by this standard.
2. The standard does not apply to patented or proprietary composite plasterboard and framing systems.

2 REFERENCED DOCUMENTS. The following standards are referred to in this standard:

AS 1684	SAA Timber Framing Code
AS 1904	Code of Practice for Installation of Reflective Foil Laminate in Buildings
AS 2588	Gypsum Plasterboard
AS XXXX*	Mastic Adhesives for Bonding Gypsum Linings to Wood and Metal Framing Members
ASTM B 117	Salt Spray (Fog) Testing

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

3.1 Administrative Definitions.

3.1.1 Approved—approved by the Building Authority.

3.1.2 Building Authority—a body having statutory control over the design and erection of buildings or structures in the area in which the building or structure is to be erected.

3.2 Technical Definitions.

3.2.1 Adhesive—mastic adhesive for fixing wallboards to framing members.

3.2.2 Cornice adhesive and cornice cement—a gypsum plaster-based adhesive used for cementing cornices and other decorative plaster products to gypsum plasterboard.

3.2.3 Edge—the machine-wrapped edge of a gypsum plasterboard sheet.

3.2.4 End—the mill-cut or field-cut end perpendicular to the edge of a gypsum plasterboard sheet.

NOTE: such cuts the gypsum core is exposed.

3.2.5 Fasteners—nails and screws for fixing gypsum plasterboard.

3.2.6 Framing member—those portions of the framing, trimming and furring which serve as a base to receive the gypsum plasterboard.

3.2.7 Finishing—the operations necessary to prepare the surface of installed gypsum plasterboard for final decoration by painting or application of other

coverings. The finishing operations include taping of joints, covering of fasteners and sanding of treated surfaces.

3.2.8 Gypsum plasterboard—a machine-made gypsum plasterboard complying with AS 2588.

3.2.9 Insulating gypsum plasterboard—gypsum plasterboard complying with AS 2588 and with reflective foil bonded to the back surface.

3.2.10 Joint cement—material used to conceal joints and fasteners.

3.2.11 Parallel application—gypsum plasterboard application where the machine-wrapped edges are parallel to the framing members to which the board is to be fixed.

3.2.12 Recessed edge—a machine-wrapped edge which is tapered on the face side to form a recess for jointing.

3.2.13 Transverse application—gypsum plasterboard application where the machine-wrapped edges are perpendicular to the framing members to which the board is to be fixed.

3.2.14 Treated joints—a joint between gypsum plasterboard sheets which is reinforced with tape and concealed with joint cement.

3.2.15 Untreated joint—a joint between gypsum plasterboard sheets which is left exposed in the finished work or which may be covered by strips or mouldings.

4 MATERIALS.

4.1 General. Packaged materials used on site shall be in original packages bearing the brand name of the manufacturer or supplier for whom the product is manufactured.

4.2 Composition. Materials for use with gypsum plasterboard shall not cause staining of decorative finishes.

4.3 Fasteners. Nails and screws shall be of an approved design and have a corrosion-resistant finish.† When tested in accordance with ASTM B 117, the corrosion-resistant finish shall protect the base metal for not less than 72 h.

The heads of fasteners shall be shaped so that they can be driven slightly below the surface of the gypsum plasterboard without punching through the face linerboard.

4.4 Corner Bead and Edge Trim. Corner bead and edge trim shall be made from galvanized steel or other material with equal or better resistance to corrosion. Flanges shall be free from dirt or other materials which may affect the bond of the joint treatment.

*In course of preparation.

†See Preface.