AS/NZS 2588:1998

Australian/New Zealand Standard®

Gypsum plasterboard

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee BD/11, Interior Board Linings. It was approved on behalf of the Council of Standards Australia on 21 November 1997 and on behalf of the Council of Standards New Zealand on 5 December 1997. It was published on 5 February 1998.

The following interests are represented on Committee BD/11:

Australian Building Codes Board
Australian Chamber of Commerce and Industry
Federation of Wall & Ceiling Industries Australia and New Zealand
Housing Industry Association, Australia
Interior Systems Association New Zealand
Master Builders Australia
National Association of Forest Industries, Australia
National Association of Steel-Framed Housing, Australia

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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.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD/11, Interior Board Linings, to supersede AS 2588—1983. It is one in a series relating to interior board linings for building purposes. It is based on ISO 6308:1980, *Gypsum plasterboard—Specification* with the following departures:

(a) Baseboard and rounded edge have not been included.

(b) Four grades, extra widths and thicknesses and working requirements have been included.

(c) The testing requirements have been expanded to include edge hardness, nail pull resistance, bond strength, humidified deflection and water resistance.

(d) The bending strength test includes some minor changes and the pass criteria have been updated.

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

The objective of this Standard is to provide manufacturers of gypsum plasterboard with specifications covering the manufacture and performance of such plasterboard for use in domestic, commercial and industrial applications.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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1 SCOPE This Standard specifies requirements for gypsum plasterboard intended for use in buildings as a lining material for walls, ceilings and partitions and providing a surface suitable for receiving decorative treatments. It includes standard, bracing, water-resistant and fire-resistant grades of gypsum plasterboard.

NOTES:

1 Alternative methods for demonstrating compliance with this Standard are given in Appendix A.

2 Prolonged exposure to heat where the surface temperature of the board exceeds 45°C will be detrimental to the performance of gypsum plasterboard.

2 APPLICATION This Standard is intended for use by manufacturers to assist in producing gypsum plasterboard materials, and by end users wishing to specify the correct grade of gypsum plasterboard material for their specific purposes.

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

AS	
1199	Sampling procedures and tables for inspection by attributes
1399	Guide to AS 1199—Sampling procedures and tables for inspection by attributes
2193	Methods for calibration and grading of force-measuring systems of testing machines
2753	Adhesives—Mastic—For bonding gypsum plaster linings to wood and metal framing members
4055	Wind loads for housing
AS/NZS	
ISO 9000	Quality management and quality assurance standards
ISO 9000.1	Part 1: Guidelines for selection and use
ISO 9004	Quality management and quality system elements
ISO 9004.1	Part 1: Guidelines
SAA/SANZ	
HB18	Guidelines for third-party certification and accreditation
HB18.28	Guide 28—General rules for a model third-party certification scheme for products
ASTM	
C 473	Test methods for physical testing of gypsum board products and gypsum lath

4 DEFINITIONS For the purpose of this Standard the definitions below apply.

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

4.2 End—a factory-cut or field-cut of a gypsum plasterboard sheet which exposes the gypsum core.

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