AS/NZS 2588:2018

Australian/New Zealand Standard™

Gypsum plasterboard

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The following are represented on Committee BD-011:

Association of Wall and Ceiling Industries of New Zealand
Association of Wall and Ceiling Industries of Australia
Australian Chamber of Commerce and Industry
Australian Paint Manufacturers Federation
Gypsum Board Manufacturers of Australasia
Housing Industry Association

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Originated in Australia as AS 2588—1983.
Jointly revised and redesignated AS/NZS 2588:1998.
Second edition 2018.

Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD-011, Interior Board Linings, to supersede AS/NZS 2588:1998.

The objective of this Standard is to provide manufacturers of gypsum plasterboard with specifications for the manufacture and performance of plasterboard used in domestic, commercial and industrial applications. This Standard also provides a reference for the building industry and specifiers.

The changes in this edition are as follows:

(a) Minor changes to wording in Preface and Clause 9.2.2.

(b) Standardize and align the nominal thicknesses of gypsum plasterboard as adopted by the Australian and New Zealand construction industries.

NOTE See Clause 6.1 and Table 1.

(c) Corrections to a heading in Table 3.

(d) Amendments to Appendices D, E and F aimed at simplifying the test method and improving reliability.

(e) New test methods for water-resistant grade plasterboard in Appendices H and I aimed at simplifying ongoing maintenance of the Standard.

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.

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

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

NOTE 3 Speciality grades of gypsum plasterboard may have requirements which exceed this standard depending on the application.

2 Application

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

3 Normative documents

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document.

NOTE Documents for informative purposes are listed in the Bibliography.

AS 2193, *Calibration and classification of force measuring systems*

AS 2753, *Adhesives — For bonding gypsum plaster linings to wood and metal framing members*

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

4.3
gypsum plasterboard
a machine-made board consisting of a core essentially of cast gypsum plaster with both faces and the longitudinal edges encased in a plasterboard liner

4.3.1
bracing grade
gypsum plasterboard that forms part of a system to provide a defined bracing resistance