

Gypsum plasterboard —

Part 1: Specification for plasterboard excluding materials submitted to secondary operations

UDC 691.311-419:666.914.41

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Cement Gypsum Aggregates and Quarry Products Standards Committee (CAB/-) to Technical Committee CAB/5, upon which the following bodies were represented:

- British Aggregate Construction Materials Industries
- Building Employers' Confederation
- Cement Makers' Federation
- County Surveyor's Society
- Department of the Environment (Building Research Establishment)
- Department of the Environment (Property Services Agency)
- Dry Lining and Partition Association Limited
- Gypsum Products Development Association
- Institution of Structural Engineers
- National Federation of Plastering Contractors
- Plasterers' Craft Guild
- Royal Institute of British Architects
- Scottish Master Plasterers' Association
- Society of Chemical Industry

This British Standard, having been prepared under the direction of the Cement, Gypsum, Aggregates and Quarry Products Standards Committee, was published under the authority of the Board of BSI and comes into effect on 28 February 1985

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First published, as BS 1230, July 1945
First revision September 1955
Second revision August 1970
Third revision, as BS 1230-1, February 1985

The following BSI references relate to the work on this standard:
Committee reference CAB/5
Draft for comment 82/13135 DC

ISBN 0 580 14304 X

Amendments issued since publication

Amd. No.	Date of issue	Comments

Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
1 Scope	1
2 Definitions	1
3 Types of products	1
4 Construction	2
5 Test requirements	2
6 Marking	3
Appendix A Methods for measurement of dimensions	4
Appendix B Method for measurement of taper profile	4
Appendix C Method for measurement of breaking load	4
Appendix D Method of test for water absorption of type 3 gypsum plasterboard	4
Appendix E Method of test for surface water resistance of type 4 gypsum plasterboard	5
Appendix F Method for determining core cohesion at high temperatures	5
Figure 1 — Square edge	2
Figure 2 — Tapered edge	2
Figure 3 — Bevelled edge	2
Figure 4 — Rounded edge	2
Figure 5 — Measurement of width	6
Figure 6 — Measurement of length	6
Figure 7 — Measurement of thickness	7
Figure 8 — Measurement of taper width	7
Figure 9 — Measurement of taper depth	7
Figure 10 — Sketch of test apparatus	8
Figure 11 — Gas line schematic	8
Figure 12 — Specimen drilling detail	8
Table 1 — Types of gypsum plasterboard	1
Table 2 — Minimum breaking load of gypsum wallboard	2
Table 3 — Minimum breaking load of gypsum baseboard	3
Table 4 — Force to be applied to test specimen	6
Publications referred to	Inside back cover

Foreword

This British Standard, which has been prepared under the direction of the Cement, Gypsum, Aggregates and Quarry Products Standards Committee, was first published as BS 1230 in 1945 and revised in 1955. A metric version was published in 1970. This revision of this standard supersedes BS 1230:1970, which is withdrawn.

This edition is technically related to ISO 6308¹⁾, with additional requirements for water absorption, surface water resistance, core cohesion at high temperatures and fire performance specified. Also included are requirements for 19 mm and 25 mm thick gypsum wallboard. The metric sizes of boards selected from the range in ISO 6308 have been augmented by some additional sizes based on imperial units since these are still being manufactured in the UK. Marking requirements have been added. Rounded edge gypsum wallboard and perforated gypsum baseboard, included in ISO 6308, have been omitted. The requirements for breaking load given in the previous edition of the standard have been retained as they are considered to be more appropriate to conditions in the UK than the lower limits specified in ISO 6308.

This standard has been designated BS 1230-1 as it is intended that a second Part dealing with gypsum plasterboard submitted to secondary operations should be published.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright data) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

¹⁾ Published by the International Organization for Standardization (ISO).

1 Scope

This Part of BS 1230 specifies requirements for gypsum plasterboard intended to be used as a vertical or horizontal lining in buildings, excluding that which has been subjected to secondary manufacturing operations it includes gypsum plasterboard manufactured to receive either direct surface decoration or gypsum plaster finishes.

The standard specifies the general characteristics of the gypsum plasterboard together with appropriate test methods and defines types for various applications.

NOTE The titles of the publications referred to in this standard are listed on the inside back cover.

2 Definitions

For the purposes of this Part of BS 1230, the definitions given in BS 4049 together with the following apply.

2.1

gypsum base wallboard

gypsum wallboard with a face suitable to receive a gypsum veneer finish

2.2

gypsum moisture resistant wallboard

gypsum wallboard with moisture resistant core and paper

2.3

gypsum moisture repellent wallboard

gypsum wallboard with moisture resistant paper

2.4

gypsum wallboard F

gypsum wallboard with improved core cohesion at high temperatures

2.5

gypsum baseboard F

gypsum baseboard with improved core cohesion at high temperatures

2.6

edges

paper covered longitudinal sides

2.7

ends

cut sides transverse to the edges

2.8

back

the surface having a double thickness of paper along the two edges

2.9

face

the surface on which the paper extends continuously to cover the edges

2.10

length

the dimension of the board parallel to the paper covered edges

2.11

width

the dimension of the board perpendicular to the paper covered edges

2.12

thickness

the distance between the face and the back, excluding edge profiles

3 Types of products

Gypsum plasterboards are classified according to their use as shown in Table 1.

Table 1 — Types of gypsum plasterboard

Type	Description	Use
1	Gypsum wallboard	Linings to walls, ceilings and partitions to receive decoration
2	Gypsum base wallboard	Linings to walls, ceilings and partitions to receive veneer finishes
3	Gypsum moisture resistant wallboard	Linings where there is a risk of limited exposure of the board to moisture
4	Gypsum moisture repellent wallboard	Linings where there is a risk of limited exposure to moisture on the surface of the board
5	Gypsum wallboard F	Linings, as in type 1, but where improved fire protection performance is required
6	Gypsum baseboard	Linings to walls, ceilings and partitions, to receive a gypsum plaster
7	Gypsum baseboard F	Linings as in type 6 but where improved fire protection performance is required

NOTE 1 Whilst gypsum wallboard is not intended as a plaster base, the back of the board can receive gypsum plaster.

NOTE 2 The designation F indicates the inclusion of mineral fibres and/or other additives.