

Internal and external wood doorsets, door leaves and frames —

Part 1: Specification for dimensional requirements

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- British Plastics Federation
- British Woodworking Federation*
- Department of the Environment (Building Research Establishment Princes Risborough Laboratory)*
- Department of the Environment (Construction Industry Directorate)
- Department of the Environment (Housing and Construction)*
- Fibre Building Board Development Organization Limited*
- Forestry Commission
- Institute of Wood Science
- Institution of Civil Engineers
- Institution of Municipal Engineers
- Institution of Structural Engineers
- National Federation of Building Trades Employers
- National Sawmilling Association
- Royal Institute of British Architects*
- Royal Institution of Chartered Surveyors
- The Softwood Agents' and Brokers' Association
- Timber Packaging and Pallet Confederation
- Timber Research and Development Association*
- Timber Trade Federation

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

- Asbestos Cement Manufacturers' Association
- Association of Builders' Hardware Manufacturers
- British Lock Manufacturers' Association
- Department of the Environment (Interdepartmental Construction Development Group)¹⁾
- Department of the Environment (PSA)
- Flat Glass Manufacturers' Association
- Greater London Council
- Guild of Architectural Ironmongers
- Institute of Carpenters
- Institution of Fire Engineers
- Joinery Managers' Association Limited
- Modular Society for Advancement in Building
- North Group London Housing Consortium

This British Standard, having been prepared under the direction of the Timber Standards Committee, was published under the authority of the Executive Board and comes into effect on 30 June 1980

¹⁾ Now disbanded

Amendments issued since publication

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The following BSI references relate to the work on this standard:
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Foreword

This revision of BS 4787-1 has been prepared under the direction of the Timber Standards Committee. BS 4787-1 was first published in 1972. Since then, experience has shown that minor amendments to the permissible deviations are desirable; these are made in this revised edition. Work sizes for external doors and doorsets have also been amended to facilitate the combination of doors with windows. The opportunity has been taken to remove tables of work sizes for glazed openings, standard code references for door types and other parts of the 1972 edition no longer considered to be appropriate. The possible provision of ancillary items (e.g. blockings, architraves etc.) has again been included in Appendix A.

This first Part of BS 4787 deals only with metric dimensional requirements. It takes full account of the recommendations for dimensional co-ordination given in BS 4011, BS 4330 and PD 6444. It also takes account of BS 4471 and BS 1186-1 and BS 1186-2 and BS 6262, and of draft international standards currently being prepared insofar as they are relevant.

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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 date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

1 Scope

This Part of this British Standard specifies the metric sizes for dimensionally co-ordinated internal and external wood doorsets, door leaves and frames.

The provision of ancillaries is covered in Appendix A.

2 References

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

3 Definitions

For the purposes of this standard, the following definitions apply. For the definition of other terms, see BS 565, BS 3589 and ISO 1804.

3.1

doorset

an assembly, comprising a fixed part (the door frame) and one or more movable parts (the door leaves) and their hardware, the function of which is to allow or prevent access. The doorset may include sill, overpanel and side panel

NOTE The doorset may be supplied in component form.

3.2

external

exposed to the effects of the weather

3.3

internal

not exposed to the effects of the weather

3.4

sill

the bottom horizontal member of a door frame

3.5

ceiling height set

a doorset which includes a space above the transom over the door. It may or may not extend to the ceiling

4 Sizing conventions

4.1 The margin shown at head and jambs (the distance between the joint face of the frame and the reference line) of each type of doorset includes an allowance for erection, positioning and jointing, as normally required in building practice. Permissible deviations given for individual components do *not* imply that these would necessarily produce a perfect fit between doors and frames.

4.2 All sizes specified in this standard are as at the time of handing over the doorset, door or frame to the purchaser and are at the moisture content agreed between the manufacturer and the purchaser at the time of order as specified in BS 1186-1.