

BS 8529:2017



BSI Standards Publication

Composite doorsets

Domestic external doorsets – Specification

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Foreword

Publishing information

This British Standard is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 August 2017. It was prepared by Technical Committee B/538/1, *Windows and doors*. A list of organizations represented on this committee can be obtained on request to its secretary.

Supersession

This British Standard supersedes BS 8529:2010, which is withdrawn.

Relationships with other publications

This British Standard is related to the following standards.

- a) BS 6375 (all parts) are the national application documents in the UK, giving performance requirements and guidance for the selection of appropriate classes of performance from BS EN 14351-1.
- b) BS 8213-4 provides guidance on the survey and installation of replacement external pedestrian doorsets.
- c) BS EN 14351-1 is the harmonized European product standard for windows and external pedestrian doorsets without resistance to fire and smoke leakage characteristics. It gives a list of performance characteristics and classifications of performance, but does not give guidance on determining the appropriate classification for any specific application.
- d) BS EN 16034 is the harmonized European Standard detailing the fire-resistant and smoke control performance characteristics for windows and doorsets. This standard is used in conjunction with BS EN 14351-1 to provide a full list of characteristics that external doorsets can have. All characteristics shown in BS EN 16034, unlike those shown in BS EN 14351-1, are essential characteristics and can be declared when placing a fire-resisting and/or smoke control doorset on the European market in accordance with the Construction Products Regulation [1].

Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is “shall”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Requirements in this standard are drafted in accordance with *Rules for the structure and drafting of UK standards*, subclause **G.1.1**, which states, “Requirements should be expressed using wording such as: ‘When tested as described in [Annex A](#), the product shall ...’”. This means that only those products that are capable of passing the specified test will be deemed to conform to this standard.

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

Attention is drawn to the Building Regulations 2010 and subsequent amendments [2], the Building (Scotland) Regulations 2004 [3] and the Building Regulations (Northern Ireland) 2012 [4].

1 Scope

This British Standard specifies requirements for the design, construction and performance of domestic external composite doorsets.

This British Standard applies to the following types of doorset:

- a) hinged side-hung single leaf (handed); and
- b) hinged double leaf.

This British Standard is applicable to doors that are supplied fully finished, part finished or unfinished.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes provisions of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

Standards publications

BS 644, *Timber windows and doorsets — Fully finished factory-assembled windows and doorsets of various types — Specification*

BS 4873, *Aluminium alloy windows and doorsets — Specification*

BS 6100-12, *Building and civil engineering — Vocabulary — Part 12: Plant, equipment and persons*

BS 6262-1, *Glazing for buildings — Part 1: General methodology for the selection of glazing*

BS 6262-2, *Glazing for buildings — Part 2: Code of practice for energy, light and sound*

BS 6262-3, *Glazing for buildings — Part 3: Code of practice for fire, security and wind loading*

BS 6262-4, *Glazing for buildings — Part 4: Code of practice for safety related to human impact*

BS 6262-6, *Glazing for buildings — Part 6: Code of practice for special applications*

BS 6262-7, *Glazing for buildings — Part 7: Code of practice for the provision of information*

BS 6375-1, *Performance of windows and doors — Classification for weathertightness and guidance on selection and specification*

BS 6375-2:2009, *Performance of windows and doors — Classification for operation and strength characteristics and guidance on selection and specification*

BS 6375-3:2009+A1:2013, *Performance of windows and doors — Classification for additional performance characteristics and guidance on selection and specification*

BS 7412, *Specification for windows and doorsets made from unplasticized polyvinyl chloride (PVC-U) extruded hollow profiles*

BS 7722:2010, *Surface covered PVC-U profiles for windows and doorsets — Specification*

BS 8000-7, *Workmanship on building sites — Part 7: Code of practice for glazing*

BS EN 485-2, *Aluminium and aluminium alloys — Sheet, strip and plate — Part 2: Mechanical properties*

BS EN 515, *Aluminium and aluminium alloys — Wrought products — Temper designations*