

BS 8529:2010



BSI Standards Publication

Composite doorsets – Domestic external doorsets – Specification

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Summary of pages

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Foreword

Publishing information

This British Standard is published by BSI and came into effect on 31 March 2010. It was prepared by Subcommittee B/538/2, *Doors*, under the authority of Technical Committee B/538, *Doors, windows, shutters, hardware and curtain walling*. A list of organizations represented on these committees can be obtained on request to their secretary.

Relationship with other publications

This British Standard is related to the following standards.

- 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.
- BS 6375 is the national application document in the UK, giving performance requirements and guidance for the selection of appropriate classes of performance from BS EN 14351-1.
- BS 8213-4 provides guidance on the survey and installation of replacement external pedestrian doorsets. However, BS 8213-4 does not cover composite doors, so some of its recommendations might not be relevant to BS 8529.

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.

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 2000 and subsequent amendments [1], the Building (Scotland) Regulations 2004 [2] and the Building Regulations (Northern Ireland) 2000 [3].

1 Scope

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

It applies to the following types of doorset:

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

It is applicable to doors that are supplied fully finished, part finished or unfinished.

2 Normative references

The following referenced documents are indispensable for the application 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 6100-1 (BS ISO 6707-1), *Building and civil engineering – Vocabulary – Part 1: General terms*

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

BS 6262 (all parts), *Glazing for buildings*

BS 6375 (all parts), *Performance of windows and doors*

BS 6399-2, *Loading for buildings – Part 2: Code of practice for wind loads*

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*

BS EN 755-2, *Aluminium and aluminium alloys – Extruded rod/bar, tube and profiles – Part 2: Mechanical properties*

BS EN 755-9, *Aluminium and aluminium alloys – Extruded rod/bar, tube and profiles – Part 9: Profiles, tolerances on dimensions and form*

BS EN 942:2007, *Timber in joinery – General requirements*

BS EN 951, *Door leaves – Method for measurement of height, width, thickness and squareness*

BS EN 1027:2000, *Windows and doors – Watertightness – Test method*

BS EN 1279 (all parts), *Glass in building – Insulating glass units*

BS EN 1670:2007, *Building hardware – Corrosion resistance – Requirements and test methods*

BS EN 10327:2004, *Continuously hot-dip coated strip and sheet of low carbon steels for cold forming – Technical delivery conditions*

BS EN 12020 (both parts), *Aluminium and aluminium alloys – Extruded precision profiles in alloys EN AW-6060 and EN AW-6063*

BS EN 12519, *Windows and pedestrian doors – Terminology*

BS EN 12608, *Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors – Classification, requirements and test methods*

BS EN 13141-1, *Ventilation for buildings – Performance testing of components/products for residential ventilation – Part 1: Externally and internally mounted air transfer devices*

BS EN 13142, *Ventilation for buildings – Components/products for residential ventilation – Required and optional performance characteristics*

BS EN 14220, *Timber and wood-based materials in external windows, external door leaves and external doorframes – Requirements and specifications*

BS EN 14374, *Timber structures – Structural laminated veneer lumber – Requirements*

BS EN ISO 105-A01:1996, *Textiles – Tests for colour fastness – Part A01: General principles of testing*

BS EN ISO 2813, *Paints and varnishes – Measurement of specular gloss of non-metallic paint films at 20°, 60° and 85°*

BS EN ISO 9227, *Corrosion tests in artificial atmospheres – Salt spray tests*

Other publications

BRITISH PLASTICS FEDERATION. *Materials for gaskets and weatherstrips for windows, doors, conservatories and curtain walling – Specification and performance requirements*. 345/2. London: British Plastics Federation, 2004.

BRITISH PLASTICS FEDERATION. *Specification and guidelines for the selection and application of fasteners for the manufacture of plastics windows and doors*. 363/1. London: British Plastics Federation, 2001.

GLASS AND GLAZING FEDERATION. *Guidelines for the selection, installation, maintenance of hardware for the window and door industry*. Data sheet 6.7. London: Glass and Glazing Federation, 2004.

GLASS AND GLAZING FEDERATION. *Guidelines for the selection, installation and maintenance of screws and fasteners for the window and door industries*. Data sheet 6.8. London: Glass and Glazing Federation, 2004.

3 Terms and definitions

For the purposes of this British Standard, the terms and definitions given in BS 6100-1, BS 6100-12, BS EN 12519 and the following apply.

3.1 composite doorset

doorset (3.7) with door leaves of sandwich construction and facing materials

NOTE Composite doorsets are manufactured using a variety of components. The basic construction of a composite door leaf consists of a door carcass (3.4), internal and external door facings, and core material (3.2). See also Note to Clause 5.