

BS 6375-3:2009+A1:2013



BSI Standards Publication

Performance of windows and doors

Part 3: Classification for additional
performance characteristics and guidance
on selection and specification

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Foreword

Publishing information

This part of BS 6375 is published by BSI Standards Limited, under licence from the British Standards Institution and came into effect on 1 January 2009. It was prepared by Subcommittee B/538/1, *Windows*, and 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.

Supersession

This is a new part of BS 6375.

BS 6375-3:2009+A1:2013 supersedes BS 6375-3:2009, which is withdrawn.

Relationship with other publications

BS 6375 is published in three parts:

- Part 1: *Classification for weathertightness and guidance on selection and specification*;
- Part 2: *Specification for operation and strength characteristics*;
- Part 3: *Additional performance characteristics*.

It is related to the European product standard for windows and pedestrian doors, BS EN 14351¹⁾ (see also *Information about this document*).

Information about this document

BS 6375 has been prepared to provide advice on the selection of performance characteristics for windows and doorsets intended for the UK market. The full range of characteristics is also provided in the various parts of BS EN 14351.

BS EN 14351 is the harmonized European Standard for windows and doors and is the standard that has to be referenced if the product is to be CE marked. Not all the characteristics listed in BS EN 14351 are required for CE marking, and of those that are required, only those mandated (i.e. covered by national building regulations) in the UK need be declared.

The majority of characteristics identified in BS EN 14351 have a number of performance levels. BS 6375 provides guidance to the specifier and the manufacturer on an appropriate level for the UK market. This can be by a single value for a product characteristic or by a value for a particular service condition. For example, a doorset in a public building might need to meet a more severe level of performance for some characteristics than a doorset in a dwelling.

Specifiers are not obliged to use a particular performance level but need to be aware that unnecessarily selecting a more severe

¹⁾ Only the first part of BS EN 14351 has been published to date. Part 2 (*Internal doors*) and Part 3 (*Resistance to fire and smoke*) are still in preparation.

performance level can incur a cost penalty out of proportion to the performance advantage.

BS EN 14351 and BS 6375 cover a range of products and characteristics and are therefore divided into parts. BS EN 14351 is divided into product groups and BS 6375 is divided into performance characteristics. Not all characteristics will be applicable to all product groups or to all end uses. In addition, BS 6375 may be used for product groups not covered by BS EN 14351.

BS 6375 does not identify a recommended performance level for any characteristic that is recommended in national regulations (e.g. U values for windows); these levels are subject to statute.

If a manufacturer wishes to declare a CE marked performance this has to be declared against the appropriate part of BS EN 14351. Manufacturers wishing to CE mark products are advised to seek advice from the relevant national regulatory authority.

The start and finish of text introduced or altered by Amendment No. 1:2013 is indicated in the text by tags **A1** **A1**. Minor editorial changes are not tagged.

Amendment No. 1 has been prepared in light of the publication of BS EN 1627, BS EN 1628, BS EN 1629, BS EN 1630, the subsequent revision of PAS 24 and the withdrawal of BS 7950 and PAS 23.

The principal changes introduced by Amendment No. 1 are to address the route to demonstrating performance for enhanced security applicable to the UK, clarify the entry criteria for other than key unlocking hardware, introduce the closure against obstruction and detail the performance requirements for other characteristics for enhanced security products previously included in PAS 23.

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 J.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.

1 Scope

BS 6375 is the national application document for BS EN 14351 and identifies the characteristics and classes of performance appropriate for windows and internal/external pedestrian doorsets intended for the UK. It is applicable to both factory-glazed and site-glazed products.

This part of BS 6375 identifies those characteristics covered by BS EN 14351 that are not discussed in the other parts of BS 6375.

In addition to the definitive requirements, this standard also requires the items detailed in Clause 6 to be documented. For compliance with this standard, both the definitive requirements and the documented items have to be met.

NOTE Handing. There are two conventions for handing, both of which are acceptable (view from the inside or from the outside). Care needs to be taken not to mistake the method used.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

BS 644, *Timber windows – Factory assembled windows of various types – Specification*

BS 4873, *Aluminium alloy windows*

BS 6100, *Building and civil engineering terms – Vocabulary*

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

BS 6510, *Steel-framed windows and glazed doors*

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

PAS 24:2012, *Enhanced security performance requirements for doorsets and windows in the UK – External doorsets and windows intended to offer a level of security suitable for dwellings and other buildings exposed to comparable risk*

BS EN 179, *Building hardware – Emergency exit devices operated by a lever handle or push pad, for use on escape routes – Requirements and test methods*

BS EN 410, *Glass in building – Determination of luminous and solar characteristics of glazing*

BS EN 717-1, *Wood-based panels – Determination of formaldehyde release – Part 1: Formaldehyde emission by the chamber method*

BS EN 1121, *Doors – Behaviour between two different climates – Test method*

BS EN 1125, *Building hardware – Panic exit devices operated by a horizontal bar for use on escape routes – Requirements and test methods*

BS EN 1294, *Door leaves – Determination of the behaviour under humidity variations in successive uniform climates*