



BSI Standards Publication

Performance of windows and doors –

Part 2: Classification for operation and
strength characteristics and guidance on
selection and specification

Publishing and copyright information

The BSI copyright notice displayed in this document indicates when the document was last issued.

© BSI 2008

ISBN 978 0 580 56203 7

ICS 91.060.50

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

Committee reference B/538/1+2

Draft for comment 08/30143165 DC

Publication history

First published January 1987

Second (present) edition, December 2008

Amendments issued since publication

Date	Text affected
------	---------------

Contents

Foreword *iii*

1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	General	2
5	Performance characteristics and requirements for windows	2
6	Performance characteristics and requirements for external pedestrian doorsets	4

Annexes

Annex A (informative) Summary of classifications 8

Bibliography 9

List of tables

Table 1	Operating forces for windows	2
Table 2	Impact resistance for windows	3
Table 3	Categories of use for the UK	4
Table 4	Operating forces for doorsets	5
Table 5	Mechanical strength classes	5
Table 6	Repeated opening and closing	6
Table 7	Repeated opening and closing cycles for fire doors with self-closing devices – Categories of use from BS EN 14600	7
Table A.1	Summary of classification for windows	8
Table A.2	Summary of classification for doorsets	8

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 10, an inside back cover and a back cover.

Foreword

Publishing information

This part of BS 6375 is published by BSI 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This part of BS 6375 supersedes BS 6375-2:1987, which is withdrawn.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

This is a full revision of the standard, and introduces the following principal changes.

- The standard now refers to European test methods and classes of performance. It identifies those performance classes that are applicable to the UK market.
- Tests previously required by PAS 23-1 for entrance doorsets have been included, although some minor changes to acceptable performance levels have been made. It is expected that PAS 23-1 will be withdrawn.

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.

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.

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 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.

This part of BS 6375 identifies in separate clauses the requirements that are applicable to windows and those that are applicable to doorsets.

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.