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BS EN 12211:2016



BSI Standards Publication

Windows and doors — Resistance to wind load — Test method

bsi.

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This British Standard is the UK implementation of EN 12211:2016. It supersedes BS EN 12211:2000 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/538/1, Windows and doors.

A list of organizations represented on this committee can be obtained on request to its secretary.

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

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English Version

Windows and doors - Resistance to wind load - Test method

Fenêtres et portes - Résistance au vent - Méthode
d'essai

Fenster und Türen - Widerstandsfähigkeit bei Windlast
- Prüfverfahren

This European Standard was approved by CEN on 9 January 2016.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN 12211:2016) has been prepared by Technical Committee CEN/TC 33 "Doors, windows, shutters, building hardware and curtain walling", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2016, and conflicting national standards shall be withdrawn at the latest by September 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 12211:2000.

The revision of this European Standard clarifies only the test method and does not affect existing test evidence of EN 12211:2000.

This European Standard is one of a series of standards for windows and doors.

In comparison with EN 12211:2000, the following significant changes were made:

- a) Clause 3: Supplement of definition "closing condition";
- b) Sub-clause 3.2: Simplification of definition "test pressure";
- c) Sub-clause 5.4: Revision of definition „accuracy“;
- d) Sub-clause 7.1: Addition of „closing condition“;
- e) Clause 11: Supplement of necessary description of test specimen;
- f) Annex A: Renumeration of figures;
- g) Annex A: Revision of A.1 and A.2;
- h) Annex A: Supplement of Figure A.4 (new) – Measuring points on single and double leaf doors (example);
- i) Annex B: Revision of Figure B.1.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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1 Scope

This European Standard defines the test method to determine the resistance to wind load for completely assembled windows and pedestrian doorsets of any materials when submitted to positive or negative test pressures.

This test method is designed to take account of conditions in use, when the window or door is installed in accordance with the manufacture's specification and the requirements of relevant European Standards and codes of practice.

This European Standard does not apply to joints between the window or door frame and the building construction.

This European Standard is not intended to evaluate strength of the glass.

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.

EN 1026, *Windows and doors — Air permeability — Test method*

EN 12519, *Windows and pedestrian doors — Terminology*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12519 and the following apply.

3.1 closing condition

3.1.1

closed

movable parts rest in or at the fixed parts in a way in which they may be fastened (latched and/or locked)

3.1.2

fastened

where the movable part is restrained at one or more points and shall be described by at least one of the two as listed below

3.1.2.1

latched

movable part is returned to its closed position and restrained by either

a) a self - engaging fastener or

b) a roller catch or

c) a latch

3.1.2.2

locked

movable part is further restrained in the closed position by additional operations (of e.g. handle, key, automatic devices or electronic devices) to engage integrated locking devices (e.g. nutbolts or deadbolts) which will affect the product's characteristics