

**AKNAD JA UKSED. VASTUPANU TUULEKOORMUSELE.
KLASSIFIKATSIOON**

**Windows and doors - Resistance to wind load -
Classification**

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

| | |
|---|--|
| See Eesti standard EVS-EN 12210:2016 sisaldab Euroopa standardi EN 12210:2016 ingliskeelset teksti. | This Estonian standard EVS-EN 12210:2016 consists of the English text of the European standard EN 12210:2016. |
| Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas. | This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation. |
| Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 16.03.2016. | Date of Availability of the European standard is 16.03.2016. |
| Standard on kättesaadav Eesti Standardikeskusest. | The standard is available from the Estonian Centre for Standardisation. |

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English Version

Windows and doors - Resistance to wind load - Classification

Fenêtres et portes - Résistance au vent - Classification

Fenster und Türen - Widerstandsfähigkeit bei Windlast
- Klassifizierung

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.



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European foreword

This document (EN 12210:2016) 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 12210:1999.

The revision of this European Standard clarifies only the classification and does not affect existing evidence of EN 12210.

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

In comparison with EN 12210:1999, the following significant changes were made:

- a) Clause 4: Class 0 deleted;
- b) Sub-clause 6.1 inserted;
- c) Sub-clause 6.2: Revision of the whole paragraph: Guidance NB-CPD/SG06/11/079 from Group of Notified Bodies for the Construction Products Directive 89/106/EEC included.

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.

1 Scope

This European Standard defines the classification of test results for completely assembled windows and doors of any materials after testing in accordance with EN 12211.

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 referenced, 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 12207, *Windows and doors — Air permeability — Classification*

EN 12211, *Windows and doors — Resistance to wind load — 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 EN 12211 apply.

4 Classification

EN 12211 describes a method of test to determine the limits (P1, P2 and P3) for the test specimen. These limits are expressed in Pascals (Pa). The relationships between the limits are:

- $P2 = 0,5 P1$;
- $P3 = 1,5 P1$.

Classification shall be according to the results of wind resistance tests to positive and negative test pressures. Test pressures are given in Table 1.

NOTE This classification can be used with other relevant standards or codes of practice and can thus be used to provide correlation with actual exposure requirements.

Table 1 — Classification of wind load

| Class | P1 Pa | P2 ^a Pa | P3 Pa |
|---------------------|----------|-----------------------|----------|
| 1 | 400 | 200 | 600 |
| 2 | 800 | 400 | 1200 |
| 3 | 1200 | 600 | 1800 |
| 4 | 1600 | 800 | 2400 |
| 5 | 2000 | 1000 | 3000 |
| E xxxx ^b | xxxx | | |

^a This pressure having been repeated 50 times.

^b Test specimen tested with wind loading above class 5, where xxxx is the actual test pressure P1 expressed in Pa (e.g. 2350).