

<b>STN</b>	<b>Okná a dvere. Odolnosť proti zaťaženiu vetrom. Skúšobná metóda.</b>	<b>STN EN 12211</b>  74 6186
------------	--	--

Windows and doors - Resistance to wind load - Test method

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/16

Obsahuje: EN 12211:2016

Oznámením tejto normy sa od 30.09.2016 ruší  
STN EN 12211 (74 6186) z novembra 2002

## 122993

---

Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2016  
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy  
rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD

**EN 12211**

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2016

ICS 91.060.50

Supersedes EN 12211:2000

English Version

## Windows and doors - Resistance to wind load - Test method

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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

<b>Contents</b>	<b>Page</b>
<b>European foreword</b> .....	<b>3</b>
<b>1 Scope</b> .....	<b>4</b>
<b>2 Normative references</b> .....	<b>4</b>
<b>3 Terms and definitions</b> .....	<b>4</b>
<b>4 Principles of test</b> .....	<b>5</b>
<b>5 Apparatus</b> .....	<b>5</b>
<b>6 Preparation of test specimen</b> .....	<b>6</b>
<b>6.1 Set-up of the test specimen</b> .....	<b>6</b>
<b>6.2 Set-up of measuring devices for frontal deflection</b> .....	<b>6</b>
<b>7 Test procedure</b> .....	<b>6</b>
<b>7.1 Preliminaries</b> .....	<b>6</b>
<b>7.2 Deflection test</b> .....	<b>7</b>
<b>7.2.1 General</b> .....	<b>7</b>
<b>7.2.2 Positive pressure</b> .....	<b>7</b>
<b>7.2.3 Negative pressure</b> .....	<b>7</b>
<b>7.3 Repeated pressure test</b> .....	<b>7</b>
<b>7.4 Safety test</b> .....	<b>7</b>
<b>8 Deflection</b> .....	<b>8</b>
<b>9 Repeated pressure</b> .....	<b>8</b>
<b>10 Safety test</b> .....	<b>8</b>
<b>11 Test report</b> .....	<b>8</b>
<b>Annex A (informative) Deflection measurements</b> .....	<b>10</b>
<b>Annex B (informative) Resistance to wind load test sequence</b> .....	<b>14</b>
<b>Bibliography</b> .....	<b>15</b>

## 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.

## 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*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**