

Curtain walling - Resistance to wind load - Performance requirements

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Performance requirements

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13116:2002 sisaldab Euroopa standardi EN 13116:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 14.02.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13116:2002 consists of the English text of the European standard EN 13116:2001.</p> <p>This document is endorsed on 14.02.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This standard specifies the structural performance requirements of curtain walling under wind load, both its fixed and openable parts, under positive and negative static air pressure.</p>	<p>Scope: This standard specifies the structural performance requirements of curtain walling under wind load, both its fixed and openable parts, under positive and negative static air pressure.</p>
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ICS 91.060.10

Võtmesõnad: curtain walling, definitions, deflection, efficiency, facade linings, facades, laboratory testing, resistance, shingling, specification (approval), specifications, strain, strength of materials, testing, wind loading, wind resistance, wind stress, winds

ICS 91.060.10

English version

Curtain walling - Resistance to wind load - Performance requirements

Façade rideaux - Résistance structurelle au vent -
Prescriptions de performance

Vorhangfassaden - Widerstand gegen Windlast -
Leistungsanforderungen

This European Standard was approved by CEN on 9 May 2001.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This European Standard 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 January 2002, and conflicting national standards shall be withdrawn at the latest by January 2002.

This European Standard forms part of a series of European Standards dedicated to curtain walling products as defined in the curtain walling product standard prEN 13830.

This European Standard complements a series of curtain walling standards for performance requirements and methods of test as defined in the product standard prEN 13830.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies the structural performance requirements of curtain walling under wind load, both its fixed and openable parts, under positive and negative static air pressure.

This standard applies to any curtain walling product as defined in prEN 13830.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate points in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these listed publications apply to this European Standard only when incorporated into it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

prEN 12152	<i>Curtain walling - Air permeability - Performance requirements and classification.</i>
EN 12179	<i>Curtain walling - Resistance to wind load - Test methods.</i>
prEN 13830	<i>Curtain walling - Product standard.</i>
ENV 1991-2-4	<i>Eurocode 1: Basis of design and actions on structures - Part 2-4: Actions on structures - Wind actions.</i>

3 Terms and definitions

For the purposes of this standard, the terms and definitions given in prEN 12152, together with the following, apply:

3.1

test pressure

differential pressure between the two faces of the test specimen, expressed in Pascals (Pa)

3.2

positive pressure

when outer face is subjected to higher pressure than inner face

3.3

negative pressure

when inner face is subjected to higher pressure than outer face

3.4

design wind load

the load calculated following the procedure specified within Eurocode ENV 1991-2-4 and represented in this test with positive and negative test pressures on the test specimen

3.5

increased load (safety load)

1,5 times design wind load expressed in Pascals