

## **Curtain walling - Resistance to wind load - Test Method**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12179:2000 sisaldab Euroopa standardi EN 12179:2000 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 15.11.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12179:2000 consists of the English text of the European standard EN 12179:2000.</p> <p>This document is endorsed on 15.11.2000 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><b>Käsitlusala:</b> This standard defines the method for determining the resistance to wind load of curtain walling, both its fixed and openable parts, under positive and negative static air pressure.</p>	<p><b>Scope:</b> This standard defines the method for determining the resistance to wind load of curtain walling, both its fixed and openable parts, under positive and negative static air pressure.</p>
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ICS 91.060.10

Võtmesõnad:

ICS 91.060.10

**English version**

**Curtain walling**

**Resistance to wind load – Test method**

Façades rideaux – Résistance à la  
pression du vent – Méthode d'essai

Vorhangfassaden – Widerstand  
gegen Windlast – Prüfverfahren

This European Standard was approved by CEN on 1999-10-06.

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 Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

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

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

**Central Secretariat: rue de Stassart 36, B-1050 Brussels**

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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 December 2000, and conflicting national standards shall be withdrawn at the latest by December 2000.

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.

This European Standard forms part of a series of curtain walling tests as defined in the product standard prEN 13830:2000.

## 1 Scope

This standard defines the method for determining the resistance to wind load of curtain walling, both its fixed and openable parts, under positive and negative static air pressure.

NOTE This standard applies to any curtain walling product as defined in prEN 13830:2000.

## 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.

- prEN 13119: 1997** Curtain walling - Terminology.
- prEN 13116: 1997** Curtain walling – Resistance to wind load – Performance requirements
- ENV 1991-2-4** Eurocode 1: Basis of design and actions on structures - Part 2-4: Actions on structures - Wind actions.

## 3 Definitions

For the purposes of this standard, the definitions given in prEN 13119: 1997, together with the following, apply:

### 3.1

#### **test pressure**

differential pressure between the two faces of the test specimen, expressed in Pascal (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**

load calculated following the procedure specified within 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 Pascal.