EE TOOCH TOOCH TOOCH TO THE PARTY TO THE PAR Methods of testing windows; As a provious sometaked by the sometaked Mechanical test



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 107,2003 sisaldab Euroopa standardi EN 107 1980 ingliskeelset teksti.

Käesolev dokument on jõustatud 06.06.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 107:2003 consists of the English text of the European standard EN 107:1980.

This document is endorsed on 06.06.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.

The standard is available from Estonian

ICS 91.060.50

Standardite reprodutseerimis- ja levitamisõigus kuulub Eesti Standardikeskusele

Ees st. This advantage of the state of the s Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonilisse süsteemi või edastamine ükskõik millises vormis või millisel teel on keelatud ilma Eesti Standardikeskuse poolt antud kirjaliku loata.

Kui Teil on küsimusi standardite autorikaitse kohta, palun võtke ühendust Eesti Standardikeskusega: Aru 10 Tallinn 10317 Eesti; www.evs.ee; Telefon: 605 5050; E-post: info@evs.ee

Right to reproduce and distribute Estonian Standards belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without permission in writing from Estonian Centre for Standardisation.

If you have any questions about standards copyright, please contact Estonian Centre for Standardisation: Aru str 10 Tallinn 10317 Estonia; www.evs.ee; Phone: +372 605 5050; E-mail: info@evs.ee

EUROPEAN STANDARD NORME EUROPEENNE EUROPAISCHE NORM



EN 107

Edition 1 October 1980

UDC: 69.028.2:620.1.004.1

Key words windows, stopping devices, tests, mechanical tests

English version

METHODS OF TESTING WINDOWS

MECHANICAL TESTS

Méthodes d'essais des fenêtres Essais mécaniques Prüfverfahren für Fenster Mechanische Prüfungen

This European Standard was accepted by CEN on 1980-10-22. The CEN Members are bound to adhere to the CEN Internal Regulations which specify under which conditions this European Standard has to be given, without any alteration, the status of a national standard.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Central Secretariat or to any CEN Members.

This European Standard is established by CEN in three official versions (English, French, German). A translation made by another Member under its own responsibility, in its own language, and notified to CEN, has the same status.

CEN Members are the national standards organizations of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

EUROPEAN COMMITTEE FOR STANDARDIZATION Comité Européen de Normalisation Europäisches Komitee für Normung

Central Secretariat: rue Bréderode 2 , B-1000 Bruxelles

(c) Copyright reserved to all CEN Members

C

HISTORY

This European Standard was drawn up by the Technical Committee CEN/TC 33 "Technological tests for doors, windows, shutters and building hardware".

The Secretariat of which is held by AFNOR.

This European Standard was adopted by CEN on the strength of
its acceptance by the following Member countries:

Austria - Belgium - France - Germany - Greece - Italy Netherland - Spain -

1. <u>INTRODUCTION</u>

Windows, apart from the characteristics they have when closed, undergo various "stresses" while being opened and closed or cleaned.

Mechanical tests performed on the complete window make it possible to :

- determine the forces necessary to open and close the window
- examine the reaction of the window to mechanical tests simultating misuse
- examine the efficiency of the restricted or located opening devices, if fitted.

2. SCOPE

This standard defines the methods to be used for the tests of mechanical strenth of windows considered as finished products, in their normal conditions of use.

FIELD OF APPLICATION

This standard applies to all windows including door height windows made of any material, in the actual operating conditions in which they should be used in a finished building, bearing in mind the conditions of test set out below.

4. TERMS AND DEFINITIONS

Hinge: rotating device allowing the opening of the window by rotation around an axis parallel to an edge of the window leaf.

<u>Pivot</u>: rotating device allowing the opening of the window by rotation around an axis not parallel to a side of the window leaf.

Restricted opening device: device for limiting the opening of the window.

Located opening device: device for keeping the window stable when opened.

5. TESTS

Distinction is made between :

- 5.1 Tests to be carried out on all types of windows:
 - measuring the forces necessary to fasten and unfasten and to move and displace the window leaf (clause 8.1).
- 5.2 Tests varying according to the way in which the window opens
 - misuse (clause 8.2)
 - tests of located opening devices of windows in an open position or of restricted opening positions (clause 8.3)