Akna- ja uksetarvikud. Hoobkäepideme (avariilingiga) või surunupuga avatavad evakuatsiooniväljapääsu sulused. Nõuded ja katsemeetodid

Building hardware - Emergency exit devices operated by a lever handle or push pad - Requirements and test methods

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 179:1999 sisaldab Euroopa standardi EN 179:1997 ingliskeelset teksti.	This Estonian standard EVS-EN 179:1999 consists of the English text of the European standard EN 179:1997.
Standard on kinnitatud Eesti Standardikeskuse 23.11.1999 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 23.11.1999 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 91.190

avariiväljapääsud, eristuskiri, korrosioonikindlus, mehaanilised katsed, määratlused, ohutus, ohutusvahendid, personali evakueerimine, projekteerimine, rauakaubad, sulused, toimimiskatsed, tulepüsivus, õnnetuste ärahoidmine

EUROPEAN STANDARD **EN 179**

NORME EUROPÉENNE

EUROPÄISCHE NORM August 1997

ICS 91.190

Descriptors: hardware, closures, safety devices, emergency exits, personnel evacuation, accident prevention, definitions, design, specifications, performance tests, mechanical tests, safety, corrosion resistance, fire resistance, classifications, marking, installation

English version

Building hardware - Emergency exit devices operated by a lever handle or push pad - Requirements and test methods

Quincaillerie pour le bâtiment - Fermetures d'urgence pour issues de secours manoeuvrées par une béquille ou une plaque de poussée - Prescriptions et méthodes d'essai

Schlösser und Baubeschläge - Notausgangsverschlüsse mit Drücker oder Stoßplatte - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 1997-04-26. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, 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 de Stassart,36 B-1050 Brussels

Ref. No. EN 179:1997 E

Contents

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 33 "Doors, windows, shutters and building hardware", the secretariat of which is held by AFNOR.

A full contribution to the preparation of this standard has been made by the European manufacturer's organisation "ARGE".

This European Standard is part of a group of Standards dedicated to building hardware products.

This European Standard is one of a group of standards for exit devices to be developed by Technical Committee CEN/TC 33.

For relationship with this EU Directive, see informative annex ZA which is an integral part of this European Standard.

Normative and informative annexes to this European Standard are indicated in the contents.

Informative annex A gives recommendations for installation and fixing of emergency devices.

In order to avoid potentially dangerous confusion in the market, CEN Central Secretariat allocated separate unrelated reference numbers to exit devices standards. Consequently, this European Standard becomes EN 179 instead of EN 1125-2 and EN 1125-1 becomes EN 1125.

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 February 1998, and conflicting national standards shall be withdrawn at the latest by February 1998.

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.

Introduction

Experience relating to fire and/or smoke hazards and general safety has made it desirable for doors in circulation areas, or those that have to be operated in an emergency situation, to be fitted with suitable emergency devices to common European Standard specifications.

The main purpose of the performance requirements contained in this European Standard are to give safe and effective escape through a doorway with one single operation to release the device, although this can require prior knowledge of its operation.

This European Standard deals with emergency devices designed to be used in emergency situations, where people are familiar with the emergency exit and its hardware and therefore a panic situation is most unlikely to develop.

Where panic situations are foreseen, reference should be made to EN 1125, covering panic devices operated by a horizontal bar.

The performance tests incorporated in this standard are considered to be reproductible and, as such, will provide a consistent and objective assessment of the performance of these devices.

1 Scope

This European Standard specifies requirements for the manufacture, performance and testing of emergency devices mechanically operated by either a lever handle or a push pad, for use where a panic situation is unlikely to arise.

The European Standard does not specify any particular design of emergency device and only such dimensions as are required for safety reasons are specified.

This European Standard does not cover specific devices intended for use by the severely disabled. Due to the wide range of disabilities, such devices and their performances should be agreed between specifier and manufacturer.

Emergency devices covered by this European Standard are for use on hinged or pivotted door leaves only, not exceeding 200 kg in mass, 2 500 mm in height and 1 300 mm in width.

This European Standard covers two specific designs of emergency devices : those designed for use on single leaf doors only, and those specifically designed for use on single leaf doors and/or double doorsets.

This European Standard covers two specific types of operation : Emergency devices with "lever handle" operation, type A (see 3.9, figures 1 and 3) and emergency devices with "push pad" operation, type B (see 3.15, figures 2 and 4).

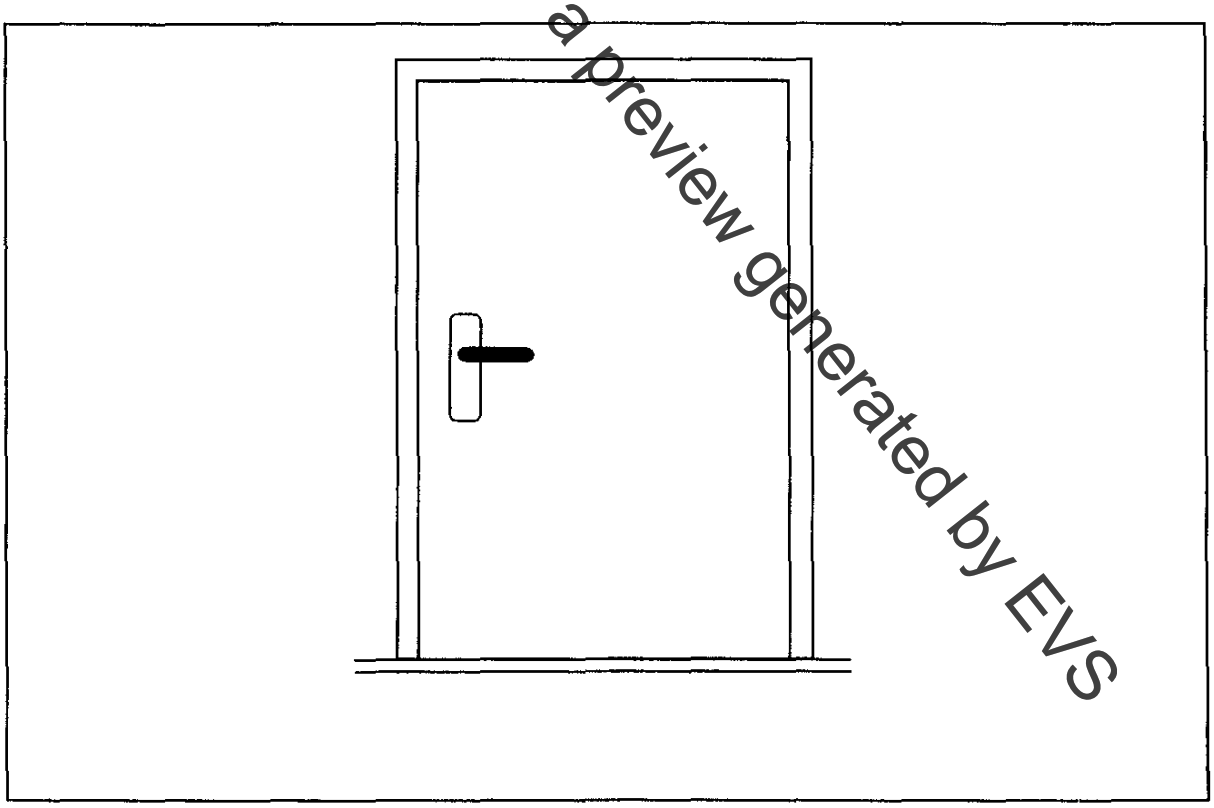

Figure 1 : Type A emergency device

This European Standard covers two categories of devices projection in order to maximize the width of the escape route and minimize the projection from the door face where either or both of these criteria are of importance (see 4.1.13).

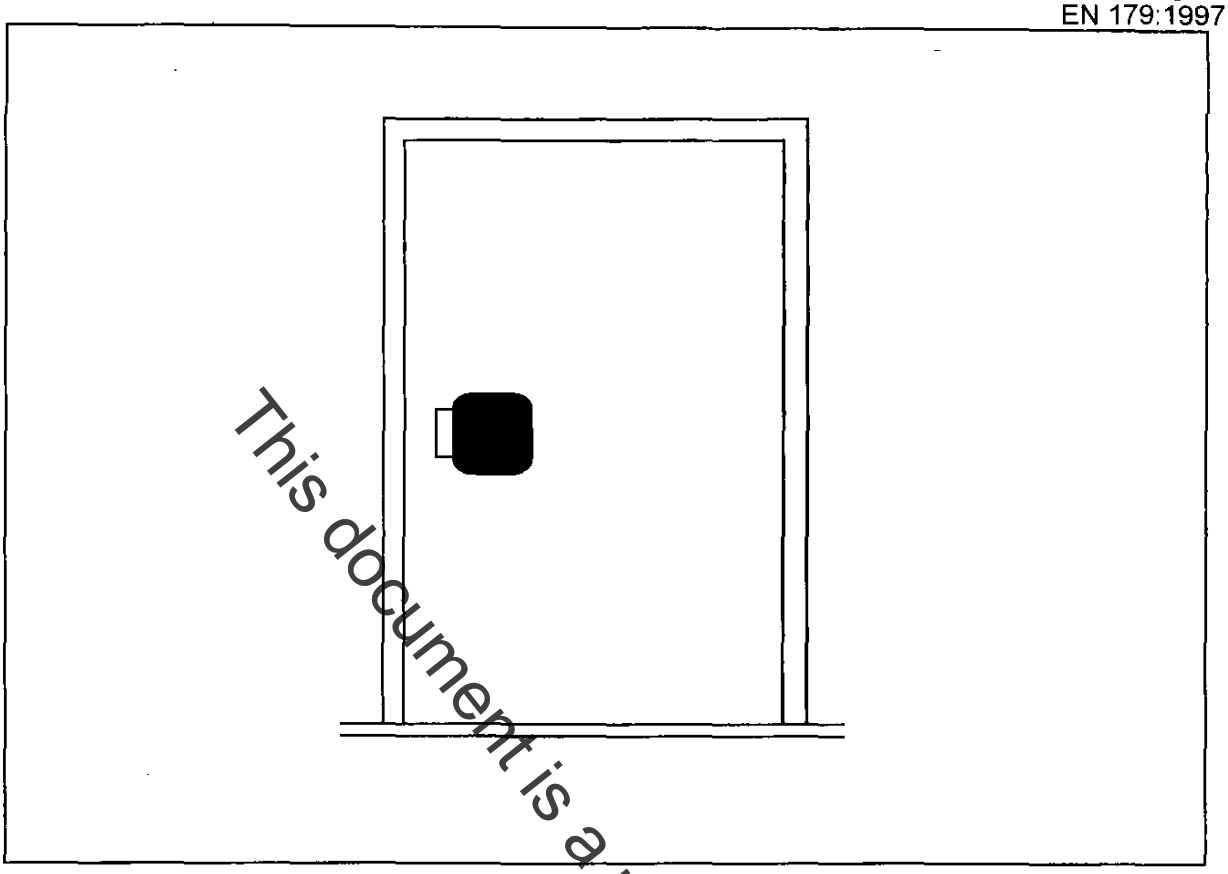

Figure 2 : Type B emergency device

The suitability of an emergency device for use on fire/smoke door assemblies is determined by fire performance tests conducted in addition to the performance tests required by this European Standard. Annex B indicates additional requirements for these products.

This European Standard does not cover panic devices operated by a horizontal bar (see EN 1125), or electrically controlled panic and emergency exit systems, standards for which are presently being developed (see annex E).

2 Normative references

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

EN 1125	Building hardware - Panic exit devices operated by a horizontal bar - Requirements and test methods.
prEN 1670	Building hardware - Corrosion resistance of hardware for doors, windows, shutters and curtain walling - Requirements and test methods.
EN 45001	General criteria for the operation of testing laboratories.