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**Building hardware –
Emergency exit devices operated by a lever handle or push pad, for use
on escape routes –
Requirements and test methods
English version of DIN EN 179:2008-04**

Schlösser und Baubeschläge –
Notausgangsschlösser mit Drücker oder Stoßplatte für Türen in Rettungswegen –
Anforderungen und Prüfverfahren
Englische Fassung DIN EN 179:2008-04

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National foreword

This standard has been prepared by Technical Committee CEN/TC 33 “Doors, windows, shutters, building hardware and curtain walling” (Secretariat: AFNOR, France), Working Group WG 4 “Building hardware” (Secretariat: BSI, United Kingdom).

The responsible German body involved in its preparation was the *Normenausschuss Bauwesen* (Building and Civil Engineering Standards Committee), Technical Committee NA 005-09-50 AA *Paniktür- und Notausgangsverschlüsse*.

Explanatory note

Paragraph 3 of 1 Scope reads as follows:

This European Standard covers emergency exit devices, which are either manufactured and placed on the market in their entirety by one producer, or produced by more than one producer and subsequently placed on the market as a kit in a single transaction.

The expression “placed on the market as a kit in a single transaction” refers for instance to the fact that a manufacturer of an emergency exit device can instruct building hardware dealers or door manufacturers in such a manner that the latter can select an exit device and a suitable (permissible) fitting themselves, using as a basis documentation provided by the emergency exit device manufacturer.

Amendments

This standard differs from DIN EN 179:2002-06 as follows:

- a) Parts of the scope have been included in the introduction.
- b) Clause 3 “Terms and definitions” has been extended.
- c) Figures 3, 7, 8 have been revised and Figure A.1 has been added.
- d) Tables 1, 3, 4 and 5 have been added.
- e) Clause 7 “Classification” has been extended.
- f) Annex D “Flow chart of test procedure” has been revised.
- g) The bibliography has been extended.

Previous editions

DIN EN 179: 1997-11, 2002-06

English Version

Building hardware - Emergency exit devices operated by a lever handle or push pad, for use on escape routes - Requirements and test methods

Quincaillerie pour le bâtiment - Fermetures d'urgence pour issues de secours manœuvrées par une béquille ou une plaque de poussée, destinées à être utilisées sur des voies d'évacuation - Exigences et méthodes d'essai

Schlösser und Baubeschläge - Notausgangsschlüsse mit Drücker oder Stoßplatte für Türen in Rettungswegen - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 30 November 2007.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 179:2008) 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 July 2008, and conflicting national standards shall be withdrawn at the latest by July 2008.

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 179:1997.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive 89/106/EEC, see informative Annex ZA which is an integral part of this document.

It has been revised to incorporate clarification of the definitions, safety requirements and test procedures, in particular for emergency exit devices intended for use on double leaf doorsets, in order to allow for more reproducible test methods.

It incorporates extension of the classification to avoid misuse of the products, extension of the limits of door mass and dimensions as well as extension of the field of application to cover products already available on the market, which were not covered by the 1997 edition of this European Standard.

It incorporates additional requirements for emergency exit devices intended for use on inwardly opening single leaf exit doors, which are required by the market. However, no other modifications have been made to the original concept and main requirements.

A full contribution to the preparation of this European Standard has been made by The European Federation of Associations of Lock and Builders Hardware Manufacturers (ARGE).

This European Standard is part of a group of standards dedicated to building hardware products. It is one of a group of standards for exit devices and exit systems developed by Technical Committee CEN/TC 33.

Wherever reference is made to classes, they are considered to be technical classes and not classes according to Article 3(2) of the Construction Products Directive (89/106/EEC).

Verification or tests performed by mechanical test laboratory and fire test laboratory are listed in Table 1 summarizing performance characteristics and compliance criteria.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

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

The main purpose of the performance requirements contained in this European Standard is to give safe and effective escape through a doorway with one single operation to release the emergency exit device, although this might require prior knowledge of the door situation (e.g. inwardly opening).

The performance tests incorporated in this European Standard are considered to be reproducible and, as such, will provide a consistent and objective assessment of the performance of these emergency exit devices.

Where panic situations are foreseen, reference should be made to EN 1125, covering panic exit devices operated by a horizontal bar. See definition **3.18**.

Where additional security is required for exit doors, reference should be made to prEN 13633 covering electrically controlled panic exit systems, or to prEN 13637 covering electrically controlled exit systems for use on escape routes. See Bibliography.

Due to the wide range of emergency exit devices, the reader is advised to refer to the scope and the detailed contents of this European Standard for coverage but, for information and general guide, this revised European Standard now deals with:

- emergency exit devices designed to be used in emergency situations, where people are familiar with the exit and its hardware and therefore a panic situation is most unlikely to develop;
- emergency exit devices for use on hinged or pivoted door leaves only;
- range of emergency exit devices including those for use on double doorsets (see **7.10**);
- two specific types of operation: emergency exit devices with “lever handle” operation, type A (see **3.9**, see Figures 1 and 3) and emergency exit devices with “push pad” operation, type B (see **3.15**, see Figures 2 and 4);
- two categories of emergency exit device 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 **4.1.12**);
- exceptional case of emergency exit devices intended for use on single leaf inwardly opening exit doors. It is assumed throughout this European Standard that emergency exit doors generally open towards the outside in order to assure safe escape. However, there are cases such as hospital or hotel bedroom doors, classroom doors, etc. where local building regulations allow, by way of exception, the exit door to open against the direction of exit;
- double doorset emergency exit devices of which the first opening leaf is equipped with a panic exit device conforming to EN 1125 and the second opening leaf is equipped with an emergency exit device conforming to EN 179. It is essential that this combination undergoes an additional test for approval (see **4.2.4**).

This European Standard does not cover the following:

- any particular design of emergency exit devices and only such dimensions as are required for safety reasons are specified;
- specific emergency exit devices intended for use on inwardly opening double doorsets;
- specific emergency exit devices intended for use by the severely disabled (due to the wide range of disabilities, such emergency exit devices and their performances should be agreed between specifier and producer);
- panic exit devices operated by a horizontal bar (see EN 1125) or electrically controlled panic exit systems or electrically controlled exit systems (see prEN 13633 and prEN 13637).