



SLOVENSKI STANDARD
SIST EN 179:2000/A1:2002
01-julij-2002

GHUj Vbc`c_cj ^Y!`BUdfUj YnUnUg] bY]n\ cXY`n`j nj cXbc`fc]Wt`U]`df]h]gb]a `dYXUca
!`NU hYj Y]b`dfYg_i gbY`a YrcXY

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

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

iTeh STANDARD PREVIEW

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

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Ta slovenski standard je istoveten z: EN 179:1997/A1:2001

ICS:

91.190

SIST EN 179:2000/A1:2002

en

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ICS 91.190

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 - Notausgangverschlüsse mit Drücker oder Stoßplatte, für Türen in Rettungswegen - Anforderungen und Prüfverfahren

This amendment A1 modifies the European Standard EN 179:1997; it was approved by CEN on 3 May 2001.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant 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 amendment 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.

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

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

Foreword

This Amendment EN 179:1997/A1:2001 to the EN 179:1997 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 Amendment to the European Standard EN 179:1997 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2001, and conflicting national standards shall be withdrawn at the latest by March 2003.

This Amendment to the European Standard EN 179:1997 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(s), see informative annex ZA, which is an integral part of this standard.

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.

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Foreword

Insert new paragraph after fifth paragraph : “ 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).

Contents

Replace heading of item 9 with “Evaluation of conformity”

Replace heading of annex ZA with “(informative) Clauses addressing the provisions of the EU Construction Products Directive (89/106/EEC)”.

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Change → **4.1.24** as follows :

“4.1.24 The design of an emergency exit device shall include the protection indicated in 4.1.10 and socket(s) and or keeper (s) for engaging the bolt (s) head...”

Change → **4.1.30** as follows :

“4.1.30 An emergency exit device...instructions for its installation which shall include the limitation of door size.

These instructions shall contain the following warning in a prominent position : “The safety features...described in these constructions are permitted”.”

“NOTE Maintenance instructions (see Annex C) may also be attached to or included in the installation instructions.”

7 Classification

7.1.5 Replace heading with: “7.1.5 Suitability for use on fire/smoke doors (fourth character)”

7.1.6 Add the following note :

“NOTE Emergency exit devices satisfying requirements of 4.1, 4.2.1 and 4.2.2 of this standard are considered Grade 1.”

8 Marking

Insert note after last paragraph:

“NOTE For CE marking and labelling, see ZA.3 of annex ZA.”

9 Factory production control and audit testing

Replace clause 9 with the following:-

9 Evaluation of Conformity

9.1 Initial type test

9.1.1 Samples, selected in accordance with 6.1, representing the series, shall be subjected to the full test sequence of 6.2 and 6.3 and, where relevant, to annex B.

If necessary, (for example, after component changes or redesigns likely to affect the product performance) this initial type test shall be repeated.

9.1.2 For **products used to release locked doors on escape routes, and for** products claiming compliance with annex B this test shall be carried out by a laboratory operating in accordance with clauses 4 and 5 of EN ISO CEI 17025:2000.

NOTE For CE marking purposes, operating conditions established for notified laboratories apply.

9.2 Factory production control

9.2.1 Documentation

9.2.1.1 The manufacturer of emergency exit devices to this European Standard shall document, operate and maintain an adequate factory production control system to enable the achievement of the required product characteristics and the effective operation of the production control system to be checked.

9.2.1.2 The manufacturer shall draw up and keep up-to-date documents defining the factory production control which he applies. The manufacturer's documentation and procedures shall be appropriate to the product and manufacturing process. The factory production control system shall achieve an appropriate level of confidence in the conformity of the product. This involves :

- a) the preparation of documented procedures and instructions relating to factory production control operations ;
- b) the effective implementation of these procedures and instructions ;
- c) the recording of these procedures and their results ;
- d) the use of these results to correct any deviations, repair the effects of such deviations, treat any resulting instances of non-conformity and, if necessary, revise the factory production control to rectify the cause of non-conformity.

9.2.2 Unit checks during manufacture

The manufacturer shall conduct the following unit checks during manufacture :

- a) check that the components meet the specifications ;
- b) check the operation of the mechanism ;
- c) check the marking.

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9.2.3 Treatment of non conforming products

The manufacturer shall treat non-conforming products as follows :

- a) isolate and identify non-conforming products ;
- b) undertake the necessary corrective actions ;
- c) repeat tests as appropriate to prove that product meets the specifications.

9.3 Further testing of samples

9.3.1 Periodic testing (for all products)

At intervals of not more than six months, samples taken from finished product stock, selected in accordance with 6.1 and representative of the series, shall be subjected to the following tests:

- a) release tests, according to 6.3.2;
- b) durability test, according to 6.3.4;
- c) release tests (repeated after durability test), according to 6.3.2
- d) abuse resistance test on operating element, according to 6.3.5.

9.3.2 Yearly testing (for products used to release locked doors on escape routes, and for products claiming compliance with annex B).

At intervals of not more than one year, two samples representative of the series shall be taken from finished product stock and subjected to the full test sequence of clause 6.

The tests shall be carried out by a laboratory operating in accordance with clauses 4 and 5 of EN ISO CEI 17025:2000.

NOTE For CE marking purposes, operating conditions established for notified laboratories apply.

Annex ZA (informative)

Replace Annex ZA with the following:-

Annex ZA (informative)

Clauses addressing the provisions of the EU Construction Products Directive (89/106/EEC)

Z.A.1 Clauses addressing the provisions of the EU Construction Products Directive

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

The clauses of this European Standard, shown in this annex meet the requirements of the mandate given under the EU Construction Product Directive (89/106/EEC). Compliance with these clauses confers a presumption of fitness of emergency exit devices covered by this European Standard for their intended use.

[SIST EN 179:2000/A1:2002](https://standards.iteh.ai/catalog/standards/sist/8295134a-3832-46f0-9b8c-43601fa7a2/sist-en-179-2000-a1-2002)

WARNING Other requirements and other EU Directives, not affecting the fitness for intended use, can be applicable to emergency exit devices falling within the scope of this European Standard.

NOTE In addition to any specific clauses relating to dangerous substances contained in this standard, there may be other requirements applicable to the products falling within its scope (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the EU Construction Products Directive, these requirements need also to be complied with, when and where they apply. *NOTE an informative database of European and national provisions on dangerous substances is available at the Construction web site on EUROPA (CREATE, accessed through <http://europa.eu.int>).*

Table ZA.1 - Scope and clauses of this standard applying to the essential characteristics

<p>Product: Emergency exit devices operated by a lever handle or a push pad as covered by the Scope of this standard</p> <p>Intended use: On escape route doors (whether fire/smoke compartmentation doors, or not), where panic situations are not foreseen. (To release locked doors on escape routes).</p>			
Requirement / characteristic	Requirement clauses in this European Standard	Mandated levels and/or classes	Notes (expression of performance)
Ability to release	4.1, 4.2.1, 4.2.2, 4.2.6, 4.2.7, 5 6.1 Annex B (when relevant),	None	Pass/Fail criteria for:- Suitability for fire/smoke door use: Fire/smoke door suitability (when relevant) Safety: Design requirements Release forces Re-engagement force
Durability of ability to release (for locked doors on escape routes)	4.2.3, 4.2.4, 4.2.5, 4.2.8,	None	Pass/Fail criteria for :- Durability: Number of test cycles Corrosion resistance: Corrosion grade Abuse resistance

ZA.2 Procedure for the attestation of conformity of emergency exit devices

Emergency exit devices for the intended uses listed shall follow the system of attestation of conformity shown in Table ZA.2, in accordance with the Decision of the Commission (1999/93/EC) and Annex III of Mandate 101.

Table ZA.2 - System of attestation of conformity

Product	Intended use	Levels or classes	system of attestation of conformity
Building hardware related to doors and gates	On fire/smoke compartmentation doors and on escape route doors.	---	1
System 1: See CPD, Annex III point 2 (i), without audit-testing of samples			

The attestation of conformity shall be based on the evaluation of conformity procedure resulting from the application of those clauses of this European Standard indicated in Table ZA.3.