



SLOVENSKI STANDARD
SIST EN 1627:2011/kFprA1:2015
01-september-2015

Vrata, okna, obešene fasade, mreže in polkna - Protivlomna odpornost - Zahteve in klasifikacija

Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification

Türen, Fenster, Vorhangfassaden, Gitterelemente und Abschlüsse - Einbruchhemmung - Anforderungen und Klassifizierung

Blocs-portes pour piétons, fenêtres, façades rideaux, grilles et fermetures - Résistance à l'effraction - Prescriptions et classification

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Ta slovenski standard je istoveten z: EN 1627:2011/FprA1

ICS:

13.310	Varstvo pred kriminalom	Protection against crime
91.060.50	Vrata in okna	Doors and windows

SIST EN 1627:2011/kFprA1:2015 **en,fr,de**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

FINAL DRAFT
EN 1627:2011

FprA1

July 2015

ICS 13.310; 91.060.50

English Version

Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification

Blocs-portes pour piétons, fenêtres, façades rideaux, grilles et fermetures - Résistance à l'effraction - Prescriptions et classification

Türen, Fenster, Vorhangfassaden, Gitterelemente und Abschlüsse - Einbruchhemmung - Anforderungen und Klassifizierung

This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 33.

This draft amendment A1, if approved, will modify the European Standard EN 1627:2011. If this draft becomes an amendment, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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Foreword

This document (EN 1627:2011/FprA1:2015) 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 document is currently submitted to the Unique Acceptance Procedure.

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EN 1627:2011/FprA1:2015 (E)**1 Modification to Clause 1, Scope**

Replace the Scope with:

"This European Standard specifies requirements and classification systems for burglar resistant characteristics of complete pedestrian doorsets, windows, curtain walling, grilles and shutters. Hardware is a component on the products and cannot be classified as such according to this standard.

It is applicable to the following means of opening: turning, tilting, folding, turn-tilting, top or bottom hung, sliding (horizontally and vertically), pivoted and rolling as well as fixed constructions. It also covers products that include items such as letter plates or ventilation grilles. It specifies requirements for the burglar resistance of a construction product (as defined in 3.1 of this standard).

This European Standard does not apply to doors, gates and barriers, intended for installation in areas in the reach of persons, and for which the main intended uses are giving safe access for goods and vehicles accompanied or driven by persons in industrial, commercial or residential premises, as covered by EN 13241-1.

This European Standard does not directly cover the resistance of locks and cylinders to attack with picking tools. It also does not cover precast concrete elements.

It also does not cover the attack of electric, electronic and electromagnetic operated burglar resistant construction products using attack methods that might defeat these characteristics.

NOTE 1 The mechanical parts of electric, electronic and electromagnetic operated burglar resistant construction products can be tested in electrical powerless condition.

NOTE 2 It is important that construction products that can be reached or driven through by vehicles are protected by appropriate measures such as barriers, extensible ramps, etc."

2 Modifications to Clause 2, Normative references

Replace:

"EN 1303:2005, *Building hardware — Cylinders for locks — Requirements and test methods*"

with:

"EN 1303:2015, *Building hardware — Cylinders for locks — Requirements and test methods*".

Replace:

"EN 1906:2010, *Building hardware — Lever handles and knob furniture — Requirements and test methods*

EN 12209:2003, *Building hardware — Locks and latches — Mechanically operated locks, latches and locking plates — Requirements and test methods*"

with:

"EN 1906:2012, *Building hardware — Lever handles and knob furniture — Requirements and test methods*

FprEN 12209:2015, *Building hardware — Mechanically operated locks and locking plates — Requirements and test methods*".

Add:

"EN 13126-3:2011, *Building hardware — Hardware for windows and door-height windows — Requirements and test methods — Part 3: Handles, primarily for Tilt&Turn, Tilt-First and Turn-Only hardware*

EN 14846:2008, *Building hardware — Locks and latches — Electromechanically operated locks and striking plates — Requirements and test methods*

EN 15684:2012, *Building hardware — Mechatronic cylinders — Requirements and test methods*".

3 Modifications to Clause 3, Terms and definitions

In 3.3, at the end of the definition, add:

", or there is no opening element".

In 3.3, at the end of the NOTE, add

", or fixed windows. Fixed constructions are also defined as a Group 1 product."

4 Modifications to Clause 4, Resistance classification

In the third paragraph, replace "A product offering burglar resistance at more than one closing condition shall be tested, assessed and classified at each closing condition."

with

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"During testing the test specimen shall be closed and locked at the declared closing condition in accordance with the manufacturer's instructions."

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In the fifth paragraph, replace "Annex F" with "Annex E".

5 Modifications to Clause 6, Hardware

Replace the text in Clause 6 with:

"6.1 General

Performance evaluation of hardware fitted on pedestrian doorsets, windows, curtain walling, grilles and shutters subject to this standard will be as described below:

The requirements of Tables 2A and 2B are valid for those parts of the hardware components that are accessible from the attack side of the pedestrian doorsets, windows, curtain walling, grilles and shutters defined by the applicant.

6.2 Key related security

All mechanically or electrically operated cylinders or lever locks shall meet the requirements of Table 2A.

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Table 2A — Key related security

European Standard	Class	RC 1	RC 2N/ RC 2	RC 3	RC 4	RC 5	RC 6
EN 1303:2015 Cylinders for locks	Digit 7 Mechanical keys	4	4	4	6	6	6
EN 15684:2012 Mechatronic cylinders	Digit 5 Mechanical keys	E	E	E	F	F	F
	Digit 6 Electrical keys	B	C	D	D	E	F
FprEN 12209:2015 Mechanically operated locks and locking plates	Digit 8 Mechanical keys	B	B	B	D	F	G
prEN 15685:2011 Multipoint locks, latches and locking plates	Digit 8 Mechanical keys	B	B	B	D	F	G
EN 14846:2008 Electromechanically operated locks and striking plates	Digit 7 Security Digit 11 Mechanical keys (EN 12209:2003)	B	B	B	D	F	G

NOTE 1 The relation between the published version of the standard and the draft revisions (prEN: dated version) is as follows:

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European Standard	Class	RC 1	RC 2N/ RC 2	RC 3	RC 4	RC 5	RC 6
EN 1303:2005 Cylinders for locks	Digit 7 Mechanical keys	4	4	4	6	6	6
EN 12209:2003 Mechanically operated locks and locking plates	Digit 11 Key identification requirements	a	a	a	a	a	a
^a No reference in EN 1627:2011.							

NOTE 2 Some building elements may include hardware without any key related security.

6.3 Hardware evaluation

6.3.1 General

Verification of compliance of hardware components will be implemented according to two alternatives:

6.3.2 Alternative 1

The hardware components shall meet the requirements of Table 2B according to the standard applicable to them.

Table 2B — Attack resistance by product standard

European Standard	Class	RC 1N	RC 2N	RC 2	RC 3	RC 4	RC 5	RC 6
EN 1303:2015 Cylinders for locks	Digit 8 Attack resistance	C	C	C	C	D	b	b
EN 15684:2012 Mechatronic cylinders	Digit 8 Attack resistance	1	1	1	1	2	b	b
FprEN 12209:2015 Mechanically operated locks and locking plates	Digit 7 Security and drill resistance	3	3	3	4	7 ^a	b	b
prEN 15685:2011 Multipoint locks, latches and locking plates	Digit 7 Security for locking points	3	3	3	4	7 ^a	b	b
	Digit 9 Security for anti- separation point	3	3	3	4	7 ^a	b	b
EN 14846:2008 Electromechanically operated locks and striking plates	Digit 7 Security Digit 7 Security and drill resistance (EN 12209: 2003)	3	3	3	4	7 ^a	b	b
EN 1906:2012 Lever handles and knob furniture	Digit 7 Security	1	2 ^{*)}	2	3	4	b	b
EN 13126-3:2011 Handles primary for tilt and turn, Tilt-first and Turn-only hardware	Digit 7 Security First digit (Twisting and forcing)	(1 [°]) 2	(1 [°]) 2	(1 [°]) 2	2	2	2	2

^a A lock with security class 6 (digit 7) may be used if the drill resistance required in class 7 is provided by the door construction.

^b Test according to 6.3.2.

^c Only if two or more handles are used on a single sash.

NOTE The relation between the published version of the standard and the draft revisions (prEN: dated version) is as follows:

European Standard	Class	RC 1N	RC 2N	RC 2	RC 3	RC 4	RC 5	RC 6
EN 1303:2005 Cylinders for locks	Digit 8 Attack resistance	1	1	1	1	2	b	b
EN 12209:2003 Mechanically operated locks and locking plates	Digit 7 Security and drill resistance	3	3	3	4	7 ^a	b	b

^a A lock with security class 6 (digit 7) may be used if the drill resistance required in class 7 is provided by the door construction.

^b Test according to 6.3.2.

Hardware outside of the scope of the standards listed in Table 2B shall comply with requirements of 6.3.2 (Alternative 2) and Table 2C.

6.3.3 Alternative 2

For RC1N, the performances of the building hardware are assessed during static and dynamic test according to EN 1628 and EN 1629 with the requirements of Table 2B.