SLOVENSKI STANDARD
SIST EN 15269-20:2020/oprA1:2026

01-julij-2026

Razširjena uporaba rezultatov preskusov požarne odpornosti in/ali dimotesnosti za vrata, zapore in okna, ki se odpirajo, vključno z njihovim okovjem - 20. del: Požarna odpornost vrat, zapor, ognjevarnih zaves in oken, ki se odpirajo - Dopolnilo A1

Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware - Part 20: Smoke control for doors, shutters, operable fabric curtains and openable windows

Erweiterte Anwendung von Prüfergebnissen zur Feuerwiderstandsfähigkeit und/oder Rauchdichtigkeit von Türen, Toren und zu öffnenden Fenstern einschließlich ihrer Baubeschläge - Teil 20: Rauchdichtigkeit von Türen, Toren, Abschlüssen, Gewebevorhängen und zu öffnenden Fenstern

Application étendue des résultats d’essais en matière de résistance au feu et/ou d’étanchéité à la fumée des blocs-portes, blocs-fermetures et ouvrants de fenêtre, y compris leurs éléments de quincaillerie intégrés - Partie 20 : Étanchéité à la fumée des portes, fermetures, rideaux en toile manoeuvrables et ouvrants de fenêtre

Ta slovenski standard je istoveten z: **EN 15269-20:2020/prA1**

ICS:

13.220.50	Požarna odpornost gradbenih materialov in elementov	Fire-resistance of building materials and elements
91.060.50	Vrata in okna	Doors and windows

SIST EN 15269-20:2020/oprA1:2026 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
EN 15269-20:2020

prA1

May 2026

ICS 13.220.50

English Version

Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware - Part 20: Smoke control for doors, shutters, operable fabric curtains and openable windows

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This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 127.

This draft amendment A1, if approved, will modify the European Standard EN 15269-20:2020. 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.

This draft amendment was established by CEN 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-CENELEC Management Centre has the same status as the official versions.

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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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Ref. No. EN 15269-20:2020/prA1:2026 E

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European foreword

This document (EN 15269:20/prA1:2025) has been prepared by Technical Committee CEN/TC 127 “Fire safety in buildings”, the secretariat of which is held by BSI.

This document is currently submitted to the CEN Enquiry.

In comparison to EN 15269:2020 and its corrigendum AC 2022, the following amendments have been made to adjust the document to the new performance characteristics "S_{a3}", "S_{a4}", and "S_{200L}" according to EN 13501-2:

— complete editorial and technical revision according to the change of the performance characteristics Sa into S_{a3} and S_{a4};

— Clause 2, "Normative references" updated;

— Clause 3, "Terms and definitions" updated and add term 3.8.;

— Clause 4, "Determination of the field of extended application" updated;

— add information in 4.1.1 for Sa resp. S_{a3} and S_{a4};

— Annex A (normative) "Construction parameter variations": updated, Since the change of the performance characteristics from S_a to S_{a3} and S_{a4} had to be made in many rules in Annex A, not only the respective changes shown in this amendment, but the entire Annex A was replaced for better usability of the document.

— revised introduction in the 4th sentence of the “Construction parameter variations“ of Annex A delete of “Otherwise not possible without additional test” and change of “Not possible without additional test” into “Not possible” in alle rules of Table A.1 to A.3;

— editorial and technical revision according to the performance characteristics S_{200L} in the last sentence of the “Construction parameter variations“ of Annex A, in Table A.1 rule A.3.2, in Table A.2 rule A.1.2 to A.1.4 and 1.9, in Table A.3 rule A.1.2 to A.1.4 and 1.9, and in C.3 of Annex C;

— editorial change in figure A.5;

— editorial change in figure A.61;

— editorial change in figure A.96.

1 Modification to Clause 1 "Scope"

In the nth bullet, replace "(S_a)" with "(S_{a3} or S_{a4})", and add "and S_{200L})" after "(S_{200})".

2 Modification to Clause 2, "Normative References"

Add the following references:

"EN 12433-1, *Industrial, commercial and garage doors and gates - Terminology — Part 1: Types of doors"*

"EN 12433-2, *Industrial, commercial and garage doors and gates - Terminology — Part 2: Parts of doors"*

"EN 12519, *Windows and pedestrian doors – Terminology"*

"EN 15725, *Extended application on the fire performance of construction products and building elements: Principle of EXAP standards and EXAP reports*"

3 Modification to Clause 3, "Terms and definitions"

Add the following references in the first Sentence:

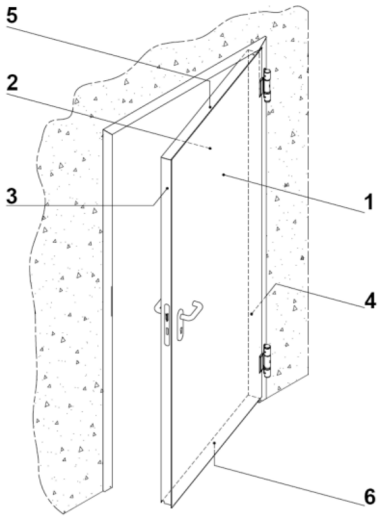
„EN 12433-1, EN 12433-2, EN 12519, EN 15269-11, EN 15725"

Add the following term and definition:

3.8

faces and sides of a door leaf

faces and sides of a door leaf are shown in Figure 3



Key

1	opening face	4	hinge side
2	closing face	5	top side
3	lock side	6	bottom side

Figure 3 — Faces and sides of a door leaf

4 Modification to Clause 4, "Determination of the field of extended application"

In clause 4.1.1 add the following sentence and note below the first sentence:

"If it is not clearly expressed from the test report, whether the bottom gap was taped over or not, the EXAP report is to be prepared on the basis of maintaining an S_{a3} classification in accordance with EN 13501-2.

NOTE The additional indicator "$_3$" or "$_4$" for S_a only indicates whether the bottom gap was taped over in the test or not and has no influence on the joint-length to be considered for the joint length-related air flow rate calculation."

5 Modification to Clause 5, "Extended application report"

*Add in the first sentence …"*in line with EN 15725 and"… in front of …" in accordance with the requirements of EN 15269-1" …

6 Modification to Annex A

Replace all of the paragraphs before Table 1 of Annex A with the following:

"The tables are designed to provide rules for the creation of extended application reports by experts in the field of smoke control testing of:

— Table A.1: hinged and pivoted doorsets.

— Table A.2: horizontally sliding doorsets (single leaf and double leaf), telescopic doorsets (single leaf and double leaf) and single leaf vertically sliding doorsets.

— Table A.3: metal rolling shutters and operable fabric curtains (excluding overlapping systems).

The Tables A.1, A.2 or A.3 shall only be used to evaluate a field of extended application when at least one positive smoke control test according to EN 1634-3 has resulted in a classification according to EN 13501-2.

The first two columns of Tables A.1, A.2 or A.3 identify possible variations to the construction parameters of the specimen tested.

Column (3) of Tables A.1, A.2 and A.3 indicates the possibility and, if applicable, the condition(s) to be fulfilled to extend the field of application. If a desired parameter variation is not possible or not covered by the allowance(s) in column (3) it shall be tested in accordance with column (4).

Where additional tests are deemed to be necessary, column (4) of Tables A.1, A.2 or A.3 defines the test scenario to be used. Where it is possible to use information from tests performed on one configuration for evidence on a different configuration, this allowance has been made in order to reduce the overall number of tests required for extended application evaluation (e.g. single action doorsets to double action doorsets).

The following test scenarios are defined and referred to in column (4) of Tables A.1, A.2 or A.3:

Test scenario A:	Test shall be performed with a single or double leaf doorset
Test scenario B:	Tests shall be performed from both sides with a single leaf doorset
Test scenario C:	Tests shall be performed from both sides with a double leaf doorset

Test scenario D:	Test shall be performed from the worst side with a double leaf doorset for single or double leaf doorsets or with a single leaf doorset for single leaf doorsets
Test scenario E:	Test shall be performed from the worst side with a single leaf doorset for single leaf doorsets or a double leaf doorset for double leaf doorsets respectively
Test scenario F:	Tests shall be performed from both sides with a single leaf doorset for single leaf doorsets or a double leaf doorset for double leaf doorsets respectively. If the double leaf doorset test leads to an air flow rate of ≤ 20 m^3/h, this test is sufficient for single leaf doorsets as well
Test scenario G:	Tests shall be performed from both sides with a single or double leaf sliding doorset
Test scenario H:	If the building hardware does interfere with the smoke seal system more than tested: Tests shall be performed from both sides with a single leaf doorset for single leaf doorsets or a double leaf doorset for double leaf doorsets respectively. If the double leaf doorset test leads to an air flow rate of ≤ 20 m^3/h, this test is sufficient for single leaf doorsets as well. Otherwise: Test shall be performed on the opening face with a double leaf doorset for single or double leaf doorsets or with a single leaf doorset for single leaf doorsets
Test scenario I:	Test shall be performed from one side with the part(s) changed faced to the test chamber.

Where an additional test is required in column 4, the test shall be a full-scale test according to EN 1634-3 at least with the size of the initial test described in 4.1.1., unless it is otherwise specified by the notified product certification body, or the details changed are limited to the tested size. The test shall be performed with the specimen tested from the side with the higher air flow rate achieved in the basis tests mentioned in 4.1.1 (worst face) unless it is otherwise specified.

Where additional tests from both faces are required, it is defined in Annex A explicitly (test scenarios B, C, F, G, and H). In this case one specimen can be used for both tests. If the field of extended application is intended to cover both, products with or without specific retaining element of building hardware, the element of building hardware may be fitted to the test specimen but set disengaged.

The rules for increase of the size of Annex C are to be considered to all variations of Tables A.1, A.2 or A.3, if they shall be applied to a larger size than tested. A variation shall not lead to an overload or an improper deformation of any component (which might e.g. prevent to close fully). For rolling shutter assemblies and operable fabric curtains stability and limitation of deformations are crucial for the air flow rate. Calculation principles for stresses and strains are given in Annex D and examples for calculations for relevant parts in Annex E.

Interpolations between minimum and maximum size tested of any measure is possible if not specified otherwise in Tables A.1, A.2 or A.3. The influence of construction parameter variations on the statics of a doorset or operable fabric curtain or shutter assembly shall always be considered by the manufacturer.

Parts of solid timber may be replaced by parts of other solid timber of the same or higher density. Glued timber with solid pieces of min. 10 mm thickness may be used instead of solid timber. Composite timber products (e.g. made of Medium Density Fibreboard) may not be replaced with other materials or composites. Timber doorsets with metal inlays shall follow the rules for metal doorsets. Test results achieved with a timber doorset with metal inlays may not be used to evaluate the extended field of application of a timber doorsets without metal inlays and vice versa.

If after consideration of a specific construction parameter variation, additional changes are required to be made to the specimen, these may be made providing the implications on other construction parameter

variations are also taken into account. If two or more construction parameter variations should be tested within the same specimen, those construction parameter variations should not interfere (neither negative nor positive) with each other, unless the construction parameter variations are always used together.

Unless otherwise described in Annex A of this document, the rules for "S_{200}" are also applicable to "S_{200L}"."

Replace Table A.1 with the following Table A.1:

Table A.1 — Construction parameter variations for single or double leaf hinged or pivoted doorsets and openable windows (metal, timber, framed glazed), excluding unframed glass doorsets and openable windows

Construction parameter (1)	**Variation (2)**	**Possibility of extension (3)**	**Additional evidence required (4)**
A Door leaf In certain cases, the rules given in section A are also appropriate to side and over panels or the door frame; where this is the case it is clearly indicated in column (1). For double leaf doorsets, both leaves shall be of the same basic construction.			
A.1 General			
A.1.1 Number of leaves – single leaf from double leaf doorset	Decrease	Possible for S_{a3} and S_{a4} if the smoke sealing system on the lock side was already tested on a double leaf doorset	Test scenario B
A.1.2 Number of leaves – double leaf from single leaf doorset	Increase	Not possible	Test scenario C
A.1.3 Smoke seals (fitted at leaf to frame interface) **–** location towards the frame rebate **– see Figure A.1a**	Change	Not possible	Test scenario F
A.1.4 Smoke seals (fitted at leaf to frame interface) **–** location away from the frame rebate **– see Figure A.1b**	Change	Not possible	Test scenario F
A.1.5 Smoke seals (fitted in meeting edges) – location	Change	Not possible	Test scenario C
A.1.6 Smoke seals (fitted in leaf or frame)	Add/Remove	Not possible	Test scenario F
A.1.7 Intumescent seals (fitted in leaf or frame) which are separate from the smoke seal	Add / Remove / Location change / Alternative	Possible providing the smoke sealing system is not interfered	Test scenario F

Construction parameter (1)	**Variation (2)**	**Possibility of extension (3)**	**Additional evidence required (4)**
A.1.8 Louvres in door leaf or panel	Add	Not possible	Test scenario F
A.1.9 Louvres in door leaf or panel	Remove	Possible	-
A.1.10 Louvres in door leaf or panel tested with louvre – fitting position vertical	Change	Possible	-
A.1.11 Louvres in door leaf or panel tested with louvre – fitting position in horizontal	Change	Possible	-
A.1.12 Louvres in door leaf or panel tested with louvre **–** size (total area) **– see Figure A.3**	Decrease	Possible	-
A.1.13 Louvres in door leaf or panel tested with louvre – size (for area or dimensions)	Increase	Not possible	Test scenario F
A.1.14 Louvre tested in double leaf doorset – position of louvre from one leaf to the opposite leaf	Change	Possible if the area of the louvre is not more than 15 % of door leaf area or providing that both door leaves are active or the louvre is tested in active leaf	Test scenario B
A.1.15 Leaf edge rebate (to door leaf or panel – not at the meeting edges; see section A.2 for meeting edge parameters) **–** (added rebate shown shaded in drawings) – **see Figure A.4**	Add	Possible providing the rebate does not lead to reduced compression on the seals and any stiffening components in the door leaf are not reduced	Test scenario F

Construction parameter (1)	**Variation (2)**	**Possibility of extension (3)**				**Additional evidence required (4)**
A.1.16 Leaf edge rebate (to door leaf or panel – not at the meeting edges; see section A.2 for meeting edge parameters)	Remove	Not possible				Test scenario F
A.1.17 Change in mode of operation – single /double action	Alternative	Possible for S_{a3} and S_{a4} to provide a double action doorset from a single action doorset providing the smoke sealing system, including the area around the hinges/pivots, is unchanged				Test scenario F
A.1.18 Latched condition for single leaf or double leaf doorsets – **see Figure A.5**	Change	Possible in line with the following relationship				Test scenario E, with the required latching condition
		For S_{a3}				
			Tested: without a latch/lock/bolt	Tested: with a latch/lock/bolt, but unlatched	Tested: with a latch/lock/bolt, latched	
		Extension to: without a lock/latch/bolt	As tested	Possible	Not possible	
		Extension to: with a lock/latch/bolt	Possible	Possible	As tested	

Construction parameter (1)	**Variation (2)**	**Possibility of extension (3)**				**Additional evidence required (4)**
		For S_{a4} and S_{200}				
			Tested: without a latch/lock/bolt	Tested: with a latch/lock/bolt, but unlatched	Tested: with a latch/lock/bolt, latched	
		Extension to: without a lock/latch/bolt	As tested	Possible	Not possible	
		Extension to: with a lock/latch/bolt	Not possible	Not possible	As tested	
A.1.19 Additional seals (additional to the smoke sealing system) fitted in leaf or frame (e.g. noise reduction)	Add	Possible providing the smoke sealing system is not interfered				Test scenario F
A.2 Meeting edge detail						
A.2.1 Meeting edge detail – **see Figure A.6**	Change	Possible for S_{a3} and S_{a4} for rebated details shown in Figure A.6, interchange between a) and b) only. Change from a) or b) to g) possible but not vice versa providing the smoke sealing system is not interfered.				Test scenario C
A.2.2 Astragal – **see Figure A.6f)**	Add	Possible				-
A.2.3 Astragal – **see Figure A.6f)**	Remove	Not possible				Test scenario C

Construction parameter (1)	Variation (2)	Possibility of extension (3)	Additional evidence required (4)
A.3 Size variations			
A.3.1 Size of door leaf or panel (area, width, height)	Decrease	Possible	-

Construction parameter (1)	Variation (2)	Possibility of extension (3)	Additional evidence required (4)
A.3.2 Height/width/area of door leaf	Increase	Possible for hinged or pivoted latched doorsets in line with the calculations in Annex C and the following limitations: a) The smoke sealing system is unchanged, b) Size increases by up to 25 % height, 25 % width and 50% in area providing the number of movement restrictors are increased at least in line with the size increase, maintaining positions between movement restrictors and distances from leaf corners as tested, c) Additional for S_{a3} and S_{a4}: Size increase is permitted by up to 25 % height, 25 % width and 25 % in area without additional movement restrictors such as locks, bolts, hinges etc., d) Additional for S_{200} for timber doorsets, joinery type timber framed doorsets, steel doorsets and metal framed doorsets without thermal break (for thermal break see Figure A.30): Size increase is permitted by up to 250 mm height, 250 mm width and 25 % in area without additional movement restrictors such as locks, bolts, hinges etc., e) Additional for S_{200} for metal framed doorsets with thermal break (for thermal break see Figure A.30), timber doorsets with metal inlay in the facing, joinery type timber framed doorsets with filling with metal inlay in the facing and steel doorsets with stainless steel surface: Size increase is permitted by up to 150 mm height, 150 mm width and 15 % in area without additional movement restrictors such as locks, bolts, hinges etc.	Test scenario F