

STN	Výrobkové listy kovaní (HPS) Identifikácia a prehľad dokladov o skúšaní na zjednodušenie vzájomnej zameniteľnosti stavebných kovaní na použitie s požiarou odolnosťou a/alebo tesnosťou proti prieniku dymu dverných zostáv a/alebo otváracích okien	STN EN 16035 16 6017
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Hardware performance sheet (HPS) - Identification and summary of test evidence to facilitate the inter-changeability of building hardware for application to fire resisting and/or smoke control doorsets and/or openable windows

Táto norma obsahuje anglickú verziu európskej normy.

This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/24

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Oznámením tejto normy sa ruší

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EUROPEAN STANDARD

EN 16035

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 91.190

Supersedes EN 16035:2012

English Version

Hardware performance sheet (HPS) - Identification and summary of test evidence to facilitate the interchangeability of building hardware for application to fire resisting and/or smoke control doorsets and/or openable windows

Quincaillerie de bâtiment - Fiche de performance de la quincaillerie (HPS) - Identification et récapitulatif des essais justificatifs visant à faciliter l'interchangeabilité de la quincaillerie de bâtiment destinée à être installée sur des blocs-portes et fenêtres ouvrantes résistant au feu et pare-fumées

Leistungsbeschreibung für Baubeschläge - Identifizierung und Zusammenfassung der Prüfnachweise zur Unterstützung der Austauschbarkeit von Baubeschlägen für die Anwendung an feuerwiderstandsfähigen und/oder rauchdichten Toren, Türen und/oder zu öffnenden Fenstern

This European Standard was approved by CEN on 22 October 2023.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

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



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

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EN 16035:2023 (E)

Contents	Page
European foreword.....	3
Introduction	4
1 Scope	5
2 Normative references.....	5
3 Terms and definitions	6
4 General principles of the Hardware Performance Sheet (HPS)	6
5 Data to be provided	7
5.1 General.....	7
5.2 Required data — Building hardware	7
Table 1 — Building hardware	7
5.3 Required data — test evidence used.....	8
Table 2 — Test evidence used.....	8
5.4 Performance level(s) related to the evidence fire resistance.....	10
Table 3 — Performance level(s) fire resistance.....	10
5.5 Performance level(s) related to the evidence smoke control.....	11
Table 4 — Performance level(s) smoke control.....	11
5.6 Performance level(s) related to the durability of self-closing.....	12
Table 5 — Performance level(s) for durability of self-closing.....	12
Annex A (informative) Structure and scheme of an HPS.....	13
Figure A.1 — HPS Structure	13
Bibliography.....	14

European foreword

This document (EN 16035:2023) 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 May 2024, and conflicting national standards shall be withdrawn at the latest by May 2024.

This document supersedes EN 16035:2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

In comparison with the previous edition, the following significant technical modifications have been made:

Modified clauses, paragraphs, annexes, tables or figures:

- The structure has been redesigned;
- Additional requirements added for information on thermal separation, insulation, intumescent layer, related EXAP standards and rules;

New normative reference:

- The EN 17020 series for durability of self-closing EXAP standards are now available;

Deleted normative references:

- EN 1154: this standard is no longer referred to;
- EN 14600: this standard has been withdrawn.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 16035:2023 (E)**Introduction**

The Hardware Performance Sheet (HPS) is intended to facilitate the interaction between the available data from completed tests and the data required for the interchangeability.

For this purpose, this document defines the required data, which can be provided in a standardized data format for the interchangeability according to the respective Extended Application rule (EXAP) from the EN 15269 series or EN 17020 series of standards.

This document is primarily addressed to the creators of an HPS.

An HPS might be used, but not only by the creators of an EXAP Report.

This document is designed to enable an HPS to replace a short test report for building hardware in the future.

1 Scope

This document summarizes relevant results and classifications from tests of the fire resistance, smoke control and related durability performances of building hardware in the format of a hardware performance sheet (HPS). This document provides guidance and requirements on the minimum data required as a basis for the preparation of EXAP reports for the interchangeability of building hardware on fire-retardant and/or smoke-tight doors and openable windows.

This document identifies the performance characteristics and the requirements for building hardware which can be found in the appropriate product standards.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1191, *Windows and doors - Resistance to repeated opening and closing - Test method*

EN 1363-1, *Fire resistance tests - Part 1: General requirements*

EN 1634-1:2014+A1:2018, *Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware - Part 1: Fire resistance test for door and shutter assemblies and openable windows*

EN 1634-2, *Fire resistance and smoke control tests for door, shutter and openable window assemblies and elements of building hardware - Part 2: Fire resistance characterisation test for elements of building hardware*

EN 1634-3, *Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware - Part 3: Smoke control test for door and shutter assemblies*

EN 12604, *Industrial, commercial and garage doors and gates - Mechanical aspects - Requirements and test methods*

EN 13501-2, *Fire classification of construction products and building elements - Part 2: Classification using data from fire resistance and/or smoke control tests, excluding ventilation services*

EN 15269 (all parts), *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*

EN 16034, *Pedestrian doorsets, industrial, commercial, garage doors and openable windows - Product standard, performance characteristics - Fire resisting and/or smoke control characteristics*

EN 17020 (all parts), *Extended application of test results on durability of self-closing for fire resistance and/or smoke control doorsets and openable windows*

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