



SLOVENSKI STANDARD

kSIST FprEN 1634-1:2012

01-november-2012

Preskusi požarne odpornosti in dimotesnosti vrat, zapor in oken, ki se odpirajo, ter elementov stavbnega okovja - 1. del: Preskus požarne odpornosti za vrata, zapore in okna, ki se odpirajo

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

Feuerwiderstandsprüfungen und Rauchschutzprüfungen für Türen, Tore, Abschlüsse, Fenster und Baubeschläge - Teil 1: Feuerwiderstandsprüfungen für Türen, Tore, Abschlüsse und Fenster

Essais de résistance au feu et d'étanchéité aux fumées des portes, fermetures, fenêtres et éléments de quincailleries - Partie 1: Essais de résistance au feu des portes, fermetures et fenêtres

Ta slovenski standard je istoveten z: FprEN 1634-1

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
91.190	Stavbna oprema	Building accessories

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English Version

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

Essais de résistance au feu et d'étanchéité aux fumées des portes, fermetures, fenêtres et éléments de quincailleries -
Partie 1: Essais de résistance au feu des portes, fermetures et fenêtres

Feuerwiderstandsprüfungen und Rauchschutzprüfungen für Türen, Tore, Abschlüsse, Fenster und Baubeschläge - Teil 1: Feuerwiderstandsprüfungen für Türen, Tore, Abschlüsse und Fenster

This draft European Standard is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 127.

If this draft becomes a European Standard, 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.

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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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COMITÉ EUROPÉEN DE NORMALISATION
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FprEN 1634-1:2012 (E)**Foreword**

This document (FprEN 1634-1:2012) 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 Unique Acceptance Procedure.

This document will supersede EN 1634-1:2008.

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

EN 1634 consists of:

- FprEN 1634-1, *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* [the present document];
- 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*.

Introduction

Caution

The attention of all persons concerned with managing and carrying out this fire resistance test is drawn to the fact that fire testing may be hazardous and that there is a possibility that toxic and/or harmful smoke and gases may be evolved during the test. Mechanical and operational hazards may also arise during the construction of the test elements or structures, their testing and disposal of test residues.

An assessment of all potential hazards and risks to health shall be made and safety precautions shall be identified and provided. Written safety instructions shall be issued. Appropriate training shall be given to relevant personnel. Laboratory personnel shall ensure that they follow written safety instructions at all times.

FprEN 1634-1:2012 (E)**1 Scope**

This European Standard specifies a method for determining the fire resistance of door and shutter assemblies and openable windows designed for installation within openings incorporated in vertical separating elements, such as:

- a) hinged and pivoted doors;
- b) horizontally sliding and vertically sliding doors including articulated sliding doors and sectional doors;
- c) folding doors, sliding folding doors /shutters;
- d) tilting doors;
- e) rolling shutter doors;
- f) openable windows;
- g) operable fabric curtains.

This European Standard is used in conjunction with EN 1363-1.

The testing of fire dampers is covered by EN 1366-2.

The testing of closures for conveyor systems is covered by EN 1366-7.

By prior agreement with the test sponsor additional information may be gained for individual elements of building hardware in order to fulfil the performance criteria identified in EN 1634-2. Based on the observations recorded during the test, the results may be presented in a separate report which should be in accordance with the requirements of EN 1634-2.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1363-1:1999, *Fire resistance tests — Part 1: General requirements*

EN 1363-2, *Fire resistance tests — Part 2: Alternative and additional procedures*

EN 12519:2004, *Windows and pedestrian doors — Terminology*

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

EN 14600, *Doorsets and openable windows with fire resisting and/or smoke control characteristics — Requirements and classification*

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 ISO 13943:2000, *Fire safety — Vocabulary (ISO 13943:2000)*