

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 2: Fire resistance of hinged and pivoted steel doorsets

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 15269-2:2012 sisaldab Euroopa standardi EN 15269-2:2012 ingliskeelset teksti.	This Estonian standard EVS-EN 15269-2:2012 consists of the English text of the European standard EN 15269-2:2012.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 26.09.2012.	Date of Availability of the European standard is 26.09.2012.
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ICS 13.220.50, 91.060.50

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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
2: Fire resistance of hinged and pivoted steel doorsets

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 fenêtres, y compris leurs
éléments de quincaillerie - Partie 2: Résistance au feu des
blocs-portes battants et pivotants en acier

Erweiterter Anwendungsbereich von Prüfergebnissen zur
Feuerwiderstandsfähigkeit und/oder Rauchdichtigkeit von
Türen, Toren und Fenstern einschließlich ihrer
Baubeschläge - Teil 2: Feuerwiderstandsfähigkeit von
Drehflügeltüren aus Stahl

This European Standard was approved by CEN on 20 July 2012.

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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN 15269-2:2012) has been prepared by Technical Committee CEN/TC 127 “Fire safety in buildings”, the secretariat of which is held by BSI.

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 March 2013, and conflicting national standards shall be withdrawn at the latest by March 2013.

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

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

EN 15269, *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*, consists of the following parts:

- *Part 1: General requirements*
- *Part 2: Fire resistance of hinged and pivoted steel doorsets* (the present document)
- *Part 3: Fire resistance of hinged and pivoted timber doorsets and openable timber framed windows*
- *Part 5: Fire resistance of hinged and pivoted, metal framed, glazed doorsets and openable windows¹⁾*
- *Part 6: Fire resistance of sliding timber doorsets¹⁾*
- *Part 7: Fire resistance of sliding steel doorsets*
- *Part 10: Fire resistance of steel rolling shutter assemblies*
- *Part 11: Fire resistance of operable fabric curtains¹⁾*
- *Part 20: Smoke control for hinged and pivoted steel, timber and metal framed glazed doorsets*

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1) In preparation.

Introduction

This document is one of a series of standards intended to be used for the purpose of producing an extended application report based on the evaluation of one or more fire resistance and/or smoke control tests. These European Standards may also be used to identify the best selection of test specimens required to cover a wide range of product variations.

Before there can be any consideration for extended application, the doorset will need to have been tested in accordance with EN 1634-1 to achieve a test result which could generate a classification in accordance with EN 13501-2 at least equal to the classification subsequently required from extended application considerations.

1 Scope

This European Standard covers single and double leaf, hinged and pivoted, steel based doorsets. It prescribes the methodology for extending the application of test results obtained from fire resistance test(s) conducted in accordance with EN 1634-1.

Subject to the completion of the appropriate test or tests, the extended application may cover all or some of the following examples:

- integrity (E), integrity/radiation (EW) or integrity/insulation (EI₁ or EI₂) classification;
- door leaf;
- ventilation grilles and/or louvres
- wall/ceiling fixed elements (frame/suspension system);
- glazing for door leaf, side, transom and flush over panels;
- items of building hardware;
- decorative finishes;
- intumescent, smoke, draught or acoustic seals;
- alternative supporting construction(s).

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, *Fire resistance tests — Part 1: General requirements*

EN 1634-1, *Fire resistance and smoke control tests for door, shutter and openable window assemblies and elements of building hardware — Part 1: Fire resistance tests for doors, shutters 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 13501-2, *Fire classification of construction products and building elements — Part 2: Classification using data from fire resistance tests, excluding ventilation services*

EN 15254-4:2008+A1:2011, *Extended application of results from fire resistance tests — Non-loadbearing walls — Part 4. Glazed constructions*

EN 15269-1:2010, *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 1: General requirements*

EN ISO 13943, *Fire safety — Vocabulary (ISO 13943)*