



**NSAI**  
Standards

Irish Standard  
I.S. EN 15269-20:2009

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 hinged and pivoted steel, timber and metal framed glazed doorsets

## I.S. EN 15269-20:2009

*Incorporating amendments/corrigenda issued since publication:*

<i>This document replaces:</i>	<i>This document is based on:</i> EN 15269-20:2009	<i>Published:</i> 23 September, 2009
This document was published under the authority of the NSAI and comes into effect on: 14 October, 2009		ICS number: 13.220.50 91.060.50
<b>NSAI</b> 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W <b>NSAI.ie</b>	<b>Sales:</b> T +353 1 857 6730 F +353 1 857 6729 W standards.ie
Údarás um Chaighdeáin Náisiúnta na hÉireann		

ICS 13.220.50; 91.060.50

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 hinged and pivoted steel, timber and metal  
framed glazed 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 ouvrants de fenêtre, y compris  
leurs éléments de quincaillerie intégrés - Partie 20 :  
Étanchéité à la fumée des blocs-portes battants et  
pivotants en acier, en bois et vitrés à ossature métallique

Erweiterter Anwendungsbereich von Prüfergebnissen zur  
Feuerwiderstandsfähigkeit und/oder Rauchdichtigkeit von  
Türen, Toren und Fenstern einschließlich ihrer  
Baubeschläge - Teil 20: Rauchdichtigkeit von  
Drehflügeltüren und -toren aus Holz und Stahl sowie Metall-  
und Holzrahmentüren mit Verglasungen

This European Standard was approved by CEN on 1 August 2009.

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 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 Management Centre has the same status as the official versions.

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



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

<b>Contents</b>		<b>Page</b>
<b>Foreword</b> .....		<b>3</b>
<b>Introduction</b> .....		<b>4</b>
<b>1</b>	<b>Scope</b> .....	<b>5</b>
<b>2</b>	<b>Normative references</b> .....	<b>5</b>
<b>3</b>	<b>Definitions</b> .....	<b>6</b>
<b>4</b>	<b>Determination of the field of extended application</b> .....	<b>6</b>
<b>4.1</b>	<b>General</b> .....	<b>6</b>
<b>4.2</b>	<b>Procedure for evaluation</b> .....	<b>6</b>
<b>4.3</b>	<b>Procedure for maximum field of extended application</b> .....	<b>6</b>
<b>4.4</b>	<b>Interpretation of test results</b> .....	<b>7</b>
<b>5</b>	<b>Extended application report</b> .....	<b>7</b>
<b>6</b>	<b>Classification report</b> .....	<b>7</b>
<b>Annex A (normative) Construction parameter variations</b> .....		<b>8</b>
<b>Annex B (normative) Arrangements for doorsets incorporating side and/or overpanels</b> .....		<b>37</b>
<b>Bibliography</b> .....		<b>40</b>

## Foreword

This document (EN 15269-20:2009) 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 2010, and conflicting national standards shall be withdrawn at the latest by March 2010.

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.

The (pr/Fpr)EN 15269 series of standards *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* currently consists of:

- *Part 1: General Requirements*
- *Part 2: Fire resistance of hinged and pivoted steel doorsets*
- *Part 3: Fire resistance of hinged and pivoted timber doorsets and openable timber framed windows*
- *Part 4: Fire resistance of hinged and pivoted glass doorsets*
- *Part 5: Fire resistance of hinged and pivoted, metal framed, glazed doorsets and openable windows*
- *Part 6: Fire resistance of sliding timber doorsets*
- *Part 7: Fire resistance of sliding steel doorsets*
- *Part 8: Fire resistance of horizontally folding timber doorsets*
- *Part 9: Fire resistance of horizontally folding steel doorsets*
- *Part 10: Fire resistance of steel rolling shutters*
- *Part 11: Fire resistance of operable fabric curtains*
- *Part 20: Smoke control for hinged and pivoted steel, timber and metal framed glazed doorsets*

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

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

## **Introduction**

This document is one of a series of standards listed above and is 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 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 shall have been tested in accordance with EN 1634-3 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.

A review of the doorset construction parameters can indicate that one or more characteristics may be improved by a particular parameter variation. All evaluations shall be made on the basis of retaining the fire resistance classifications obtainable from testing to EN 1634-3. However, this shall never lead to an increased classification for any specific fire or smoke performance parameter beyond that achieved during any one test unless specifically identified in the relevant Construction Parameter Variation tables within this series of standards.

The classification of smoke control of doorsets foresees the addition of the symbol "C" indicating that the product also satisfies the "self closing" criterion. The "C" classification is complimented by the digits 0 to 5 according to the use category on the basis of details included in the relevant product standards. The effect on the "C" classification following an extended application process is not addressed in this standard.

## 1 Scope

This Part of (pr/Fpr)EN 15269, which should be read in conjunction with prEN 15269-1, covers hinged and pivoted steel doorsets, hinged and pivoted timber doorsets (including timber framed glazed doorsets) and hinged and pivoted metal framed glazed doorsets of single or double-leaf construction.

The document prescribes the methodology for extending the application of test results obtained from test(s) conducted in accordance with EN 1634-3.

**NOTE** It is anticipated that the above scope will be extended to cover other product types when the relevant test information and expertise become available.

Subject to the completion of the appropriate test or tests, the extended application may cover Ambient Temperature Smoke Control ( $S_a$ ) and Medium Temperature Smoke Control ( $S_m$ ) classifications and all or some of the following variations:

- glazed elements, louvres and/or vents;
- side, transom or overpanels;
- items of building hardware;
- decorative finishes;
- intumescent, smoke, draught or acoustic seals;
- alternative supporting construction(s).

## 2 Normative references

The following referenced documents are indispensable for the application 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 1363-1:1999, *Fire resistance tests – Part 1: General requirements*

EN 1634-1:2008, *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 1634-3:2004, *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 13501-2:2007, *Fire classification of construction products and building elements – Part 2: Classification using data from fire resistance tests, excluding ventilation services*

prEN 15269-1:2009, *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 13943:2000, *Fire safety – Vocabulary (ISO 13943:2000)*

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
  - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-