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NSAI Standards

Irish Standard
I.S. EN 15725:2010

Extended application reports on the fire performance of construction products and building elements

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Incorporating amendments/corrigenda/National Annexes issued since publication:
EN 15725:2010/AC:2012

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 15725:2010/AC

January 2012
Janvier 2012
Januar 2012

ICS 13.220.50

English version
Version Française
Deutsche Fassung

Extended application reports on the fire performance of construction products and building elements

Rapports d'application étendue des performances au feu des produits et éléments de construction

Berichte zum erweiterten Anwendungsbereich bezogen auf das Brandverhalten von Bauprodukten und Bauarten

This corrigendum becomes effective on 25 January 2012 for incorporation in the official English version of the EN.

Ce corrigendum prendra effet le 25 janvier 2012 pour incorporation dans la version anglaise officielle de la EN.

Die Berichtigung tritt am 25. Januar 2012 zur Einarbeitung in die offizielle Englische Fassung der EN in Kraft.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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1 Modification to 5.2.2,Title

Replace "Fire resistance"

with

"Fire resistance and/or smoke control"

2 Modification to 5.3.3, Title

Replace "Fire resistance"

with

"Fire resistance and/or smoke control".

3 Modification to Annex B, Title

Replace "Format for an extended application report — Fire resistance Fire resistance"

with

"Format for an extended application report — Fire resistance and/or smoke control"

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EUROPEAN STANDARD

NORME EUROPÉENNE

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EN 15725

June 2010

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English Version

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Foreword

This document (EN 15725:2010) 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 December 2010, and conflicting national standards shall be withdrawn at the latest by December 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.

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Introduction

A construction product and a building element may be placed on the market with different thicknesses, densities, fixing conditions, substrates, etc. It is not practicable to test all combinations of different product parameters for the reaction to fire performance or fire resistance or external fire exposure performance, although these parameters may substantially influence the test result.

NOTE A building element is understood to be a defined construction component, e.g. wall, partition, floor, roof, beam or column.

Fire test methods may not include any information on direct application, the result obtained in the test is that which is reported. In a separate exercise it is possible to extend the field of application of the individual test results to a variation of the values of the different product parameters. This process of extended application uses rules which are essentially based on a worst case scenario and interpolation techniques. All information on extended field of application of reaction to fire results is given in CEN/TS 15117.

There are a number of practical limitations on the size and design of elements that can be tested by the standard methods of test for fire resistance. When these elements are larger, or are of a modified design, there is a necessity to be able to confirm their performance, i.e. whether the classification(s) given in the classification report in relation to the relevant criteria are maintained, without the ability of being able to test them. To achieve this, extended application standards for the various elements are under development.

Rules for extended application of results from external fire exposure to roof tests are also under development.

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1 Scope

This European Standard gives the procedures for preparing reports on the extended application process using the results of reaction to fire tests, fire resistance tests and external fire exposure to roof tests undertaken for fire classification of products and product families in accordance with the various parts of EN 13501.

This standard makes reference to 'extended application standards' throughout; wherever this term is used it refers to either a standard prepared by CEN/TC 127 'Fire safety in buildings' or the relevant product standard which includes information on extended application. In some cases, where a standard is not yet published, relevant bodies may issue recommendations for use by Notified Bodies in attestation procedures for CE marking under the Construction Products Directive (CPD), http://ec.europa.eu/enterprise/newapproach/nando/.

The European system currently permits extended application rules to be included in technical specifications. CEN Technical Committees and EOTA Working groups producing these rules are asked to seek the guidance of CEN/TC 127 to ensure that their rules comply with standards prepared by CEN/TC 127. In cases where extended application rules in harmonised EN product standards and ETAs do not comply with standards prepared by CEN/TC 127 the CEN BT should be informed.

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 13238, *Reaction to fire tests for building products — Conditioning procedures and general rules for selection of substrates*

EN 13501-1:2007+A1:2009, *Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests*

EN 13501-2:2007+A1, *Fire classification of construction products and building elements — Part 2: Classification using data from fire resistance tests, excluding ventilation services*

EN 13501-3:2005+A1, *Fire classification of construction products and building elements — Part 3: Classification using data from fire resistance tests on products and elements used in building service installations: fire resisting ducts and fire dampers*

EN 13501-4:2007+A1, *Fire classification of construction products and building elements — Part 4: Classification using data from fire resistance tests on components of smoke control systems*

EN 13501-5:2005+A1, *Fire classification of construction products and building elements — Part 5: Classification using data from external fire exposure to roofs tests*

CEN/TS 15117:2005*, Guidance on direct and extended application*

CEN/TS 15447, *Mounting and fixing in reaction to fire tests under the Construction Products Directive*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply:

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