



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 13501-3:2006

ICS 13.220.50

**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**

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*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland and comes into
effect on:
April 12, 2006*

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EUROPEAN STANDARD

EN 13501-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2005

ICS 13.220.50

English Version

**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**

Classement au feu des produits et éléments de bâtiment -
Classement utilisant des données d'essais de résistance
au feu de composants d'installations de services de
ventilation - Partie 3 : Conduits et clapets résistants au feu

Klassifizierung von Bauprodukten und Bauarten zu ihrem
Brandverhalten - Teil 3: Klassifizierung mit den
Ergebnissen aus den Feuerwiderstandsprüfungen an
Bauteilen von haustechnischen Anlagen: feuerfeste
Leitungen und Brandschutzklappen

This European Standard was approved by CEN on 22 September 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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



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

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Foreword

This European Standard (EN 13501-3:2005) 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 June 2006, and conflicting national standards shall be withdrawn at the latest by June 2006.

This European Standard has been prepared under a Mandate given to CEN by the Commission of the European Communities and the European Free Trade Association, and supports essential requirements of the Construction Products Directive.

CEN, CENELEC and EOTA committees preparing technical specifications which contain performance requirements against fire resistance tests should make reference to the fire resistance classification given in this European Standard and not refer directly to any specific fire test method.

EN 13501 consists of the following parts:

- Part 1: Classification using data from reaction to fire tests,
- Part 2: Classification using data from fire resistance tests, excluding ventilation services,
- Part 3: Classification using data from fire resistance tests on products and elements used in building service installations: fire resisting ducts and fire dampers,
- Part 4: Classification using data from fire resistance tests on components of smoke control systems,
- Part 5: Classification using data from external fire exposure to roofs tests.

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

EN 13501-3:2005 (E)

Introduction

The aim of this European Standard is to define a harmonised procedure for the classification for resistance to fire of construction products and elements. This classification is based on the test procedures listed in Clause 2.

This European Standard is prepared in support of the second essential requirement in the EC Construction Products Directive (89/106/CEC), which is detailed in the Interpretative Document number 2 (ID2): Safety in case of fire (OJ C62 Vol 37). It reflects the Commission Decision of 3 May 2000 on the implementation of the Council Directive 89/106/EEC as regards the classification of the resistance to fire performance of construction products, construction works and parts thereof.

The Interpretative Document and the Commission Decision of 3 May 2000 specify performance and classes regarding fire resistance. These classes are identified by designation letters, each of which refers to an important characteristic of fire resistance behaviour.

This European Standard provides for a common understanding for these requirements. It interprets the functional requirements for the different groups of building products and elements and explains the method for deriving their classification on the basis of test results for individual products or elements.

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