

DIN EN 13501-5



ICS 13.220.50; 91.060.20

Supersedes
DIN EN 13501-5:2010-02

**Fire classification of construction products and building elements –
Part 5: Classification using data from external fire exposure to roofs tests;
English version EN 13501-5:2016,
English translation of DIN EN 13501-5:2016-12**

Klassifizierung von Bauprodukten und Bauarten zu ihrem Brandverhalten –
Teil 5: Klassifizierung mit den Ergebnissen aus Prüfungen von Bedachungen bei
Beanspruchung durch Feuer von außen;
Englische Fassung EN 13501-5:2016,
Englische Übersetzung von DIN EN 13501-5:2016-12

Classement au feu des produits et éléments de construction –
Partie 5: Classement utilisant des données d'essais au feu des toitures exposées à un feu
extérieur;
Version anglaise EN 13501-5:2016,
Traduction anglaise de DIN EN 13501-5:2016-12

Document comprises 32 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN 13501-5:2016) has been prepared by Technical Committee CEN/TC 127 “Fire safety in buildings” (Secretariat: BSI, United Kingdom).

The responsible German body involved in its preparation was *DIN-Normenausschuss Bauwesen* (DIN Standards Committee Building and Civil Engineering), Working Committee NA 005-52-07 AA *Brandverhalten von Baustoffen und Bauteilen — Bedachungen*.

Amendments

This standard differs from DIN EN 13501-5:2010-02 as follows:

- a) general editorial amendments have been made;
- b) normative references have been updated.

Previous editions

DIN EN 13501-5: 2006-03, 2010-02
DIN EN 13501-5 Corrigendum 1: 2007-02
DIN EN 13501-5 Corrigendum 2: 2009-01

English Version

Fire classification of construction products and building
elements - Part 5: Classification using data from external
fire exposure to roofs tests

Classement au feu des produits et éléments de
construction - Partie 5: Classement utilisant des
données d'essais au feu des toitures exposées à un feu
extérieur

Klassifizierung von Bauprodukten und Bauarten zu
ihrem Brandverhalten - Teil 5: Klassifizierung mit den
Ergebnissen aus Prüfungen von Bedachungen bei
Beanspruchung durch Feuer von außen

This European Standard was approved by CEN on 23 April 2016.

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.

CEN members are the national standards bodies of 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 United Kingdom.



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

	Page
European foreword.....	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Classes of external fire performance of roofs/roof coverings	7
5 Test methods.....	7
5.1 General.....	7
5.2 Test 1: Method with burning brands.....	8
5.3 Test 2: Method with burning brands and wind	8
5.4 Test 3: Method with burning brands, wind and supplementary radiant heat.....	8
5.5 Test 4: Two-stage method incorporating burning brands, wind and supplementary radiant heat	8
6 Principles for specimen preparation, testing and classification	8
6.1 General requirements for specimen preparation	8
6.2 General requirements for testing.....	9
6.3 Selection of test methods.....	9
6.4 Field of application	9
6.5 Specific requirements.....	10
6.5.1 General.....	10
6.5.2 Test 1	10
6.5.3 Test 2	12
6.5.4 Test 3	13
6.5.5 Test 4	14
7 Number of tests for classification.....	15
8 Classification parameters	15
8.1 General.....	15
8.2 Test 1	15
8.3 Test 2	16
8.4 Test 3	16
8.5 Test 4	16
9 Classes and criteria.....	16
10 Classification report.....	18
10.1 General.....	18
10.2 Content and format.....	18
Annex A (informative) General information on the four test methods in CEN/TS 1187	20
Annex B (normative) Classification report for roofs/roof coverings exposed to external fire.....	21
B.1 General layout	21