

## Deutsche Akkreditierungsstelle GmbH

**Entrusted according to Section 8 subsection 1 AkkStelleG in connection with Section 1 subsection 1 AkkStelleGBV**

Signatory to the Multilateral Agreements of  
EA, ILAC and IAF for Mutual Recognition

## Accreditation



The Deutsche Akkreditierungsstelle GmbH attests that the testing laboratory

**Materialprüfanstalt für das Bauwesen (MPA BS)**  
**Beethovenstraße 52, 38106 Braunschweig**

### Special field 2 – Fire Protection

is competent under the terms of DIN EN ISO/IEC 17025:2005 to carry out tests in the following fields:

**Fire protection testing of construction elements (load bearing capacity, barrier establishment, temperature restriction, mechanical resistance, functional integrity and smoke control); testing under actual fire conditions (combustion of warehouse goods, smoke extraction, noise protection walls, façades, roofs); testing of data protection cabinets, containers and offices; testing of safes, fire protection testing of equipment, facilities and tanks; reaction to fire testing of building materials, testing of combustibility/flammability, fire spread, energy release, glow gradient and development of exhaust gas of construction materials**

**Testing of construction products (system of assessment and verification of constancy of performance 3) in accordance with the Construction Products Regulation (EU) No 305/2011 to defined harmonised conditions for the marketing of construction products (Construction Products Regulation - CPR)**

**Tests of reaction to fire, resistance to fire and of the external fire performance, for which the reference to a relevant harmonised technical specification is not required (point 3. Annex V, (EU) Nr. 305/2011)**

The accreditation certificate shall only apply in connection with the notice of accreditation of 14.11.2016 with the accreditation number D-PL-11267-01-02 and is valid until 13.11.2021. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 21 pages.

Registration number of the certificate: **D-PL-11267-01-02**

Berlin,  
08.06.2018

Dr. Heike Manke  
Head of Division

Translation issued:  
08.06.2018

Head of Division

This document is a translation. The definitive version is the original German accreditation certificate.

See notes overleaf.



# Deutsche Akkreditierungsstelle GmbH

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The publication of extracts of the accreditation certificate is subject to the prior written approval by Deutsche Akkreditierungsstelle GmbH (DAkKS). Exempted is the unchanged form of separate disseminations of the cover sheet by the conformity assessment body mentioned overleaf.

No impression shall be made that the accreditation also extends to fields beyond the scope of accreditation attested by DAkKS.

The accreditation was granted pursuant to the Act on the Accreditation Body (AkkStelleG) of 31 July 2009 (Federal Law Gazette I p. 2625) and the Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products (Official Journal of the European Union L 218 of 9 July 2008, p. 30). DAkKS is a signatory to the Multilateral Agreements for Mutual Recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Cooperation (ILAC). The signatories to these agreements recognise each other's accreditations.

The up-to-date state of membership can be retrieved from the following websites:

EA: [www.european-accreditation.org](http://www.european-accreditation.org)

ILAC: [www.ilac.org](http://www.ilac.org)

IAF: [www.iaf.nu](http://www.iaf.nu)

## Deutsche Akkreditierungsstelle GmbH

### Annex to the Accreditation Certificate D-PL-11267-01-02 According to DIN EN ISO/IEC 17025:2005

Period of validity: 14.11.2016 to 13.11.2021      Date of issue: 08.06.2018

Holder of certificate:

**Materialprüfanstalt für das Bauwesen (MPA BS)**  
**Beethovenstraße 52, 38106 Braunschweig**

#### **Special field 2 – Fire Protection**

Tests in the fields:

**Fire protection testing of construction elements (load bearing capacity, barrier establishment, temperature restriction, mechanical resistance, functional integrity and smoke control); testing under actual fire conditions (combustion of warehouse goods, smoke extraction, noise protection walls, façades, roofs); testing of data protection cabinets, containers and offices; testing of safes, fire protection testing of equipment, facilities and tanks; reaction to fire testing of building materials, testing of combustibility/flammability, fire spread, energy release, glow gradient and development of exhaust gas of construction materials**

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**Tests of reaction to fire, resistance to fire and of the external fire performance, for which the reference to a relevant harmonised technical specification is not required (point 3. Annex V, (EU) Nr. 305/2011)**

Abbreviations used: see last page

**The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates.**

**The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.**

## 1 Fire behaviour of building materials and building components

DIN 4102-1 1998-05	Fire behaviour of building materials and building components - Part 1: Building materials; concepts, requirements and tests
DIN 4102-2 1977-09	Fire Behaviour of Building Materials and Building Components; Building Components; Definitions, Requirements and Tests
DIN 4102-3 1977-09	Fire Behaviour of Building Materials and Building Components; Fire Walls and Non-load-bearing External Walls
DIN 4102-7 1998-07	Fire behaviour of building materials and building components - Part 7: Roofing; definitions, requirements and testing
DIN 4102-8 2003-10	Fire behaviour of building materials and components - Part 8: Small scale test furnace
DIN 4102-9 1990-05	Fire behaviour of building materials and elements; seals for cable penetrations; concepts, requirements and testing
DIN 4102-11 1985-12	Fire behaviour of building materials and building components; pipe encasements, pipe bushings, service shafts and ducts, and barriers across inspection openings; terminology, requirements and testing
DIN 4102-12 1998-11	Fire behaviour of building materials and building components - Part 12: Circuit integrity maintenance of electric cable systems; requirements and testing
DIN 4102-13 1990-05	Fire behaviour of building materials and elements; fire resistant glazing; concepts, requirements and testing
DIN 4102-14 1990-05	Fire behaviour of building materials and elements; determination of the burning behaviour of floor covering systems using a radiant heat source
DIN 4102-16 2015-09	Fire behaviour of building materials and building components - Part 16: "Brandschacht" tests
DIN 4102-17 1990-12	Brandverhalten von Baustoffen und Bauteilen - Schmelzpunkt von Mineralfaser-Dämmstoffen - Begriffe, Anforderungen, Prüfung
DIN V 4102-21 2002-08	Fire behaviour of building materials and elements; determination of melting point of mineral fibre insulating materials; concepts, requirements and testing

DIN SPEC 4102-23 2011-10	Fire behaviour of building materials and building components - Part 23: Roofs - Application rules for test results for roofs tested to DIN V ENV 1187, test method 1, and DIN 4102-7
DIN EN 1363-2 1999-10	Fire resistance tests - Part 2: Alternative and additional procedures
DIN V ENV 1363-3 1999-09	Fire resistance tests - Part 3: Verification of furnace performance
DIN EN 1365-1 2013-08	Fire resistance tests for loadbearing elements - Part 1: Walls
DIN EN 1365-5 2005-02	Fire resistance tests for loadbearing elements - Part 5: Balconies and walkways
DIN EN 1365-6 2005-02	Fire resistance tests for loadbearing elements - Part 6: Stairs
E DIN EN 1366-11 2014-11	Fire resistance tests for service installations - Part 11: Fire protective systems for cable systems and associated components
DIN EN 1366-12 2014-12	Fire resistance tests for service installations - Part 12: Non-mechanical fire barrier for ventilation ductwork
DIN EN 13238 2010-06	Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates
DIN EN 13381-9 2015-09	Test methods for determining the contribution to the fire resistance of structural members - Part 9: Applied fire protection systems to steel beams with web openings
DIN EN 13381-10 2016-08	Test methods for determining the contribution to the fire resistance of structural members - Part 10: Applied protection to solid steel bar in tension
DIN EN 13820 2003-12	Thermal insulating materials for building applications - Determination of organic content
DIN EN 14390 2007-04	Fire test - Large-scale room reference test for surface products

DIN EN 15882-1 2012-03 E DIN EN 15882-1/A1 2015-07	Extended application of results from fire resistance tests for service installations - Part 1: Ducts (here clause 8)
DIN EN 16733 2016-07	Reaction to fire tests for building products - Determination of a building product's propensity to undergo continuous smouldering
DIN EN 50399 2012-02	Common test methods for cables under fire conditions - Heat release and smoke production measurement on cables during flame spread test - Test apparatus, procedures, results
DIN EN 50577 (VDE 0482-577) 2016-08	Electric cables - Fire resistance test for unprotected electric cables (P classification)
DIN EN 60332-1-2 (VDE 0482-332-1-2) 2005-06	Tests on electric and optical fibre cables under fire conditions - Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame
DIN 50050-1 1986-04	Testing of materials; burning behaviour of materials; small burning cabinet
DIN 50051 1977-02	Testing of Materials; Burning Behaviour of Materials; Burner
DIN 50055 1989-03	Light measuring system for testing smoke development (here clause 4)
DIN 51900-1 2000-04 + Corrigendum 1 2004-02	Testing of solid and liquid fuels - Determination of gross calorific value by the bomb calorimeter and calculation of net calorific value - Part 1: Principles, apparatus, methods
DIN 51900-2 2003-05	Testing of solid and liquid fuels - Determination of the gross calorific value by the bomb calorimeter and calculation of the net calorific value - Part 2: Method using isoperibol or static, jacket calorimeter
DIN 51900-3 2005-01	Testing of solid and liquid fuels - Determination of gross calorific value by the bomb calorimeter and calculation of net calorific value - Part 3: Method using adiabatic jacket

DIN 53438-2 1984-06	Testing of combustible materials; response to ignition by a small flame; edge ignition
DIN 53438-3 1984-06	Testing of combustible materials; response to ignition by a small flame; surface ignition
DIN EN ISO 1519 2011-04	Paints and varnishes - Bend test (cylindrical mandrel)
DIN EN ISO 3251 2008-06	Paints, varnishes and plastics - Determination of non-volatile-matter content
DIN EN ISO 4589- 1 1999-09	Plastics - Determination of burning behaviour by oxygen index - Part 1: Guidance
DIN EN ISO 4589- 2 2006-06	Plastics - Determination of burning behaviour by oxygen index - Part 2: Ambient-temperature test
DIN EN ISO 6270-2 2005-09 + Corrigendum 1 2007-10	Paints and varnishes - Determination of resistance to humidity - Part 2: Procedure for exposing test specimens in condensation-water atmospheres
ISO/FDIS 1887 2014-05	Textile glass; determination of combustible matter content ( <i>whitdrawn standard</i> )
BS ISO 1887 2014-09	Textile glass. Determination of combustible-matter content
ÖNORM ISO 1887 2014-09	Textile glass - Determination of combustible-matter content
ISO 1928 2009-06	Solid mineral fuels - Determination of gross calorific value by the bomb calorimetric method and calculation of net calorific value
BS ISO 5660-1 2015-03	Reaction-to-fire tests. Heat release, smoke production and mass loss rate. Heat release rate (cone calorimeter method) and smoke production rate (dynamic measurement)
ISO/DIS 5660-1 2013-05	Reaction-to-fire tests - Heat release, smoke production and mass loss rate - Part 1: Heat release rate (cone calorimeter method) ( <i>whitdawn standard</i> )
TS ISO 5660-2 2015-02	Reaction-to-fire tests - Heat release, smoke production and mass loss rate - Part 2: Smoke production rate (dynamic measurement)

Anlage zur Akkreditierungsurkunde D-PL-11267-01-02

ISO 9705 1993-06	Fire tests; Full scale room test for surface products ( <i>whitdown standard</i> )
ISO 9705-1 2016-02	Reaction to fire tests - Room corner test for wall and ceiling lining products - Part 1: Test method for a small room configuration
ISO/TR 11925-1 1999-03	Reaction to fire tests - Ignitability of building products subjected to direct impingement of flame - Part 1: Guidance on ignitability
NMP 852 Nr. 11b-83 1988-02	Test method for the determination of exhaust gas development of construction materials - decomposition under carbonisation conditions with air supply (DIN 4102-1, Annex A)
NMP 852 Nr. 12c-83 1983-09	Test method for the determination of smoke development of construction materials - combustion under flame conditions (DIN 4102-1, Annex B)
ZTV-Lsw 06 2006-11	Additional technical contractual requirements and guidelines for the noise protective walls on the roads (ZTV-Lws 06)
EAD 340006-00-0506 2016-04	Prefabricated stair kits (here: fire behaviour according clause 2.2.9; fire resistance according clause 2.2.10)
EAD 350003-00-1109 2014-09	Kit for fire resistant service ducts consisting of prefabricated connection pieces (made of mechanically pre-coated steel sheet) and accessories (here: fire behaviour according clause 2.2.1; fire resistance according clause 2.2.2)
ETAG 003 2013-07	Guideline for European Technical Approval of internal partition kits for use as non-loadbearing walls (here: fire behaviour according clause 5.2.1; fire resistance according clause 5.2.2)
ETAG 004 2000-03	Guideline for European Technical Approval of external thermal insulation composite systems with rendering (here: fire behaviour according clause 5.1.2.1)
ETAG 005-1 2004-03	Guideline for European Technical Approval of liquid applied roof waterproofing kit - Part 1: General (here: fire spread resistance according to clause 5.2.1, fire behaviour according clause 5.2.2)



ETAG 006 2000-03	Guideline for European Technical Approval of mechanically fastened flexible roof Waterproofing membranes (here: fire behaviour according clause 5.2.2.1)
ETAG 007 2012-09	Guideline for European Technical Approval of timber building kits (here: fire behaviour according clause 2.4.2.1 ; fire resistance according clause 2.4.2.2, external fire performance according clause 2.4.2.3)
ETAG 009 2002-06	Guideline for European Technical Approval of non load-bearing permanent shuttering kits/systems based on hollow blocks or panels of insulating materials and sometimes concrete (here: fire behaviour according clause 5.2.1; fire resistance according clause 5.2.2)
ETAG 010 2002-09	Guideline for European Technical Approval of self supporting translucent roof kits (here: fire behaviour according clause 5.1.2.2, 5.2.2.1, 5.3.2.1, 5.4.2.1; fire resistance according clause 5.1.2.3, external fire performance according clause 5.1.2.1)
ETAG 011 2002-01	Guideline for European Technical Approval of light composite wood-based beams and columns (here: fire behaviour according clause 4.2.1; fire resistance according clause 4.2.2)
ETAG 012 2002-02	Guideline for European Technical Approval of log building kits (here: fire behaviour according clause 5.2.1. ; fire resistance according clause 5.2.2, external fire performance according clause 5.2.3)
ETAG 018 (parts 1 – 4)	Guideline for European Technical Approval of fire protective products (fire protection clothing and coatings)
ETAG 018-1 2004-11	Part 1: General (here: fire behaviour according clause 5.2.1; fire resistance according clause 5.2.2)

ETAG 018-2 2012-05	Part 2: Reactive coatings for fire protection of steel elements (here: fire behaviour according clause 5.2.1; fire resistance according clause 5.2.2, annex D)
ETAG 018-3 2006-12	Part 3: Renderings and rendering kits intended for fire resisting applications (here: fire behaviour according clause 5.2.1; fire resistance according clause 5.2.2)
ETAG 018-4 2004-11	Part 4: Fire protective board, slab and mat products and kits (here: fire behaviour according clause 5.2.2.1, 5.3.2.1, 5.4.2.1, 5.5.2.1, 5.6.2.1 and 5.7.2.1; fire resistance according clause 5.2.2.2)
ETAG 022 (parts 1-3)	Guideline for European Technical Approval of watertight covering kits for wetroom floors and/or walls
ETAG 022-1 2007-07	Part 1: Liquid applied coverings with or without wearing surface (here: fire behaviour according clause 2.4.1)
ETAG 022-2 2010-11	Part 2: Kits based on flexible sheets (here: fire behaviour according clause 2.4.1)
ETAG 022-3 2010-11	Part 3: Kits based on inherently watertight boards (here: fire behaviour according clause 2.4.1)
ETAG 026 (parts 1-3)	Guideline for European Technical Approval of fire stopping and fire sealing products
ETAG 026-1 2008-10	Part 1: General (here: fire behaviour according clause 2.4.1; fire resistance according clause 2.4.2)
ETAG 026-2 2008-01	Part 2: Penetration seals (here: fire behaviour according clause 2.4.1; fire resistance according clause 2.4.2)
ETAG 026-3 2008-02	Part 3: Linear joint and gap seals (here: fire behaviour according clause 2.4.1; fire resistance according clause 2.4.2)
ETAG 028 2013-06	Guideline for European Technical Approval of fire retardant products (here: fire behaviour according clause 2.4.1, , durability of fire behaviour according to clause 2.4.3)

**clause 1 in conjunction with:**

EN 13501-1 2007 +A1 2009	<i>Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests</i>
EN 13501-2 2007 +A1 2009	<i>Fire classification of construction products and building elements - Part 2: Classification using data from fire resistance tests, excluding ventilation services</i>
EN 13501-3 2005 +A1 2009	<i>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</i>
EN 13501-5 2005 +A1 2009	<i>Fire classification of construction products and building elements - Part 5: Classification using data from external fire exposure to roofs tests</i>

**2 Fire barriers and smoke control doors**

DIN EN 1191 2013-04	Windows and doors - Resistance to repeated opening and closing - Test method
DIN EN 12046-2 2000-12	Operating forces - Test method - Part 2: Doors
E DIN EN 12604 2014-06	Industrial, commercial and garage doors and gates - Mechanical aspects - Requirements and test methods
DIN EN 12605 2000-08	Industrial, commercial and garage doors and gates - Mechanical aspects - Test methods
DIN 4102-5 1977-09	Fire Behaviour of Building Materials and Building Components; Fire Barriers, Barriers in Lift Wells and Glazings Resistant against Fire; Definitions, Requirements and Tests
DIN 4102-18 1991-03	Fire behaviour of building materials and components; fire barriers, verification of automatic closure (continuous performance test)

DIN 18089-1  
1984-01                      Fire barriers; fillers for fire-doors; mineral fibre boards (felts);  
definition, designation, requirements, tests

DIN 18095-2  
1991-03                      Smoke control doors; type testing for durability and leakage

Test principles  
2007-03                      Test principles for fire protection closure

**clause 2 in conjunction with:**

*EN 13501-2  
2007  
+A1  
2009*

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

**2.1 Windows, doors, gates, Curtain walling**

DIN EN 948  
1999-11                      Hinged or pivoted doors - Determination of the resistance to  
static torsion

DIN EN 1026  
2016-09                      Windows and doors - Air permeability - Test method;

DIN EN 1027  
2016-09                      Windows and doors - Water tightness - Test method

DIN EN 1121  
2000-09                      Doors - Behaviour between two different climates - Test method

DIN EN 1191 2013-04	Windows and doors - Resistance to repeated opening and closing - Test method
DIN EN 1628 2016-03	Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance under static loading
DIN EN 1629 2016-03	Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance under dynamic loading
DIN EN 1630 2016-03	Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance to manual burglary attempts
DIN EN 12046-1 2004-04	Operating forces - Test method - Part 1: Windows
DIN EN 12046-2 2000-12	Operating forces - Test method - Part 2: Doors
DIN EN 12153 2000-09	Curtain walling - Air permeability - Test methods
DIN EN 12155 2000-10	Curtain walling - Watertightness - Laboratory test under static pressure
DIN EN 12179 2000-09	Curtain walling - Resistance to wind load - Test method
DIN EN 12211 2016-10	Windows and doors - Resistance to wind load - Test method
DIN EN 12600 2003-04	Glass in building - Pendulum tests - Impact test method and classification for flat glass
DIN EN 13049 2003-08	Windows - Soft and heavy body impact - Test method, safety requirements and classification
DIN EN 13420 2011-07	Windows - Behaviour between different climates - Test method
DIN EN 14608 2004-09	Windows - Determination of the resistance to racking

DIN EN 14609  
2004-09 Windows - Determination of the resistance to static torsion

FE-06/1  
2005-08 Test of mechanical and butt welded T- connections of plastic windows

### 3 Smoke extraction

DIN EN 1751  
2014-06 Ventilation for buildings - Air terminal devices - Aerodynamic testing of damper and valves

DIN EN 1858  
2011-09 Chimneys - Components - Concrete flue blocks  
(here: clause 8 and annex A)

DIN EN 12101-1  
2006-06 Smoke and heat control systems - Part 1: Specification for smoke barriers

DIN EN 12101-2  
2003-09 Smoke and heat control systems - Part 2: Specification for natural smoke and heat exhaust ventilators

DIN EN 12101-3  
2015-12 Smoke and heat control systems - Part 3: Specification for powered smoke and heat control ventilators (Fans)

DIN EN 12101-6  
2005-09 Smoke and heat control systems - Part 6: Specification for pressure differential systems, Kits

DIN EN 12446  
2011-09 Chimneys - Components - Concrete outer wall elements  
(here: clause 8 and annex A)

DIN 18160-60  
2014-12 Chimneys - Part 60: Assessment of fire resistance for chimneys and components of chimneys - Definitions, requirements and test method

DIN 18232-4  
2003-04 Smoke and heat control systems - Part 4: Heat exhaust systems (WA); Test methods

DIN V 18232-6  
1997-10 Smoke and heat control installations - Powered smoke exhaust systems - Part 6: Requirements for components and suitability testing (*withdrawn standard*)

**clause 3 in conjunction with:**

*EN 13501-4  
2007  
+A1  
2009*

*Fire classification of construction  
products and building elements -  
Part 4: Classification using data from  
fire resistance tests on components of  
smoke control systems*

**4 Datarooms, -cabinets, container and Safety storage cabinets**

EN 1047-1  
2005  
DIN EN 1047-1  
2006-01

Secure storage units - Classification and methods of test for  
resistance to fire - Part 1: Data cabinets and diskette inserts

EN 1047-2  
2009+A1:2013  
DIN EN 1047-2  
2013-05

Secure storage units - Classification and methods of test for  
resistance to fire - Part 2: Data rooms and data container

EN 14470-1  
2004  
DIN EN 14470-1  
2004-07

Fire safety storage cabinets - Part 1: Safety storage cabinets for  
flammable liquids

EN 14470-2  
2006  
DIN EN 14470-2  
2006-11

Fire safety storage cabinets - Part 2: Safety cabinets for pressurised  
gas cylinders

EN 15659  
2009  
DIN EN 15659  
2009-12

Secure storage units - Classification and methods of test for  
resistance to fire - Light fire storage units

**5 Testing of construction products (system of assessment and verification of constancy of performance 3) in accordance with the Construction Products Regulation (EU) No 305/2011 to defined harmonised conditions for the marketing of construction products (Construction Products Regulation - CPR)**

Decision / resolution of the Commission	System <sup>1)</sup>	Technical specification
<b>1995/467/EC</b> Gypsum products	3	<b>EN 520:2004+A1:2009</b> Gypsum plasterboards - Definitions, requirements and test methods
		<b>EN 12859:2011</b> Gypsum blocks - Definitions, requirements and test methods
		<b>EN 12860:2001+AC:2002</b> Gypsum based adhesives for gypsum blocks - Definitions, requirements and test methods
		<b>EN 13963:2005+AC:2006</b> Jointing materials for gypsum boards - Definitions, requirements and test methods
		<b>EN 15283-2:2008+A1:2009</b> Gypsum boards with fibrous reinforcement - Definitions, requirements and test methods - Part 2: Gypsum fibre boards
<b>1996/580/EC</b> Curtain wallings	3	<b>EN 13830:2003</b> Curtain walling - Product standard
<b>1997/462/EC</b> Wood-based panels	3	<b>EN 13986:2004+A1:2015</b> Wood-based panels for use in construction - Characteristics, evaluation of conformity and marking
<b>1997/808/EC</b> Floorings	3	<b>EN 13813:2002</b> Screed material and floor screeds - Screed materials - Properties and requirements
<b>1998/436/EC</b> Roof coverings, rooflights, roof windows and ancillary products	3	<b>EN 14351-1:2006+A1:2010</b> Fenster und Türen - Produktnorm, Leistungseigenschaften - Teil 1: Fenster und Außentüren ohne Eigenschaften bezüglich Feuerschutz und/oder Rauchdichtheit



Decision / resolution of the Commission	System <sup>1)</sup>	Technical specification
<p><b>1998/437/EC</b> Internal and external wall and ceiling finishes</p>	3	<p><b>EN 13964:2014</b> Suspended ceilings - Requirements and test methods</p>
		<p><b>EN 14716:2004</b> Stretched ceilings - Requirements and tests methods</p>
		<p><b>EN 15102:2007+A1:2011</b> Decorative wall coverings - Roll and panel form</p>
<p><b>1999/91/EC</b> Thermal insulation products</p>	3	<p><b>EN 13162:2012+A1:2015</b> Thermal insulation products for buildings - Factory made mineral wool (MW) products - Specification</p>
		<p><b>EN 13163:2012+A1:2015</b> Thermal insulation products for buildings - Factory made expanded polystyrene (EPS) products - Specification</p>
		<p><b>EN 13164:2012+A1:2015</b> Thermal insulation products for buildings - Factory made extruded polystyrene foam (XPS) products - Specification</p>
		<p><b>EN 13165:2012+A1:2015</b> Thermal insulation products for buildings - Factory made rigid polyurethane foam (PU) products - Specification</p>
		<p><b>EN 13166:2012+A1:2015</b> Thermal insulation products for buildings - Factory made phenolic foam (PF) products - Specification</p>
		<p><b>EN 13167:2012+A1:2015</b> Thermal insulation products for buildings - Factory made cellular glass (CG) products – Specification</p>
		<p><b>EN 13168:2012+A1:2015</b> Thermal insulation products for buildings - Factory made wood wool (WW) products - Specification</p>
		<p><b>EN 13169:2012+A1:2015</b> Thermal insulation products for buildings - Factory made expanded perlite board (EPB) products - Specification</p>

Decision / resolution of the Commission	System <sup>1)</sup>	Technical specification
<b>1999/91/EC</b> Thermal insulation products	3	<b>EN 13170:2012+A1:2015</b> Thermal insulation products for buildings - Factory made products of expanded cork (ICB) - Specification
		<b>EN 13171:2012+A1:2015</b> Thermal insulation products for buildings - Factory made wood fibre (WF) products - Specification
<b>1999/93/EC</b> Doors, windows, shutters, blinds, gates and related building hardware	3	<b>EN 13241-1:2003+A1:2011</b> Industrial, commercial and garage doors and gates - Product standard - Part 1: Products without fire resistance or smoke control characteristics
		<b>EN 14351-1:2006+A1:2010</b> Windows and doors - Product standard, performance characteristics - Part 1: Windows and external pedestrian doorsets without resistance to fire and/or smoke leakage characteristics
<b>1999/469/EC</b> Products related to concrete, mortar and grout	3	<b>EN 1504-2:2004</b> Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 2: Surface protection systems for concrete
		<b>EN 1504-3:2005</b> Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 3: Structural and non-structural repair
		<b>EN 1504-4:2004</b> Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 4: Structural bonding
		<b>EN 1504-5:2004</b> Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 5: Concrete injection

Decision / resolution of the Commission	System <sup>1)</sup>	Technical specification
<b>1999/469/EC</b> Products related to concrete, mortar and grout	3	<b>EN 1504-6:2006</b> Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 6: Anchoring of reinforcing steel bar
		<b>EN 1504-7:2006</b> Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 7: Reinforcement corrosion protection

<sup>1)</sup> System for the assessment and verification of constancy of performance

*The requirements for a testing laboratory are fulfilled according to article 43 of the Construction Products Regulation. Testing methods, which are necessary for determining the product type and cannot be executed by the holder of the certificate, are described in the list of subcontractors.*

*Without prior approval by the DAkkS German Accreditation Body, the testing laboratory body is permitted to use new revisions of product standards.*

## **6 Tests of reaction to fire, resistance to fire and of the external fire performance, for which the reference to a relevant harmonised technical specification is not required (point 3. Annex V, (EU) Nr. 305/2011)**

### **6.1 Reaction to fire**

EN 13823 2010+A1:2014	Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item
EN ISO 1182 2010	Reaction to fire tests for products - Non-combustibility test
EN ISO 1716 2010	Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value)
EN ISO 9239-1 2010	Reaction to fire tests for floorings - Part 1: Determination of the burning behaviour using a radiant heat source

EN ISO 11925-2  
2010                      Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test

**in conjunction with:**

*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 13501-6  
2014*

*Fire classification of construction products and building elements - Part 6: Classification using data from reaction to fire tests on electric cable*

**6.2      Resistance to fire**

EN 1364-1  
2015                      Fire resistance tests for non-loadbearing elements - Part 1: Walls

EN 1364-2  
1999                      Fire resistance tests on non-loadbearing elements - Part 2: Ceilings

EN 1364-3  
2014                      Fire resistance tests for non-loadbearing elements - Part 3: Curtain walling - Full configuration (complete assembly)

EN 1364-4  
2014                      Fire resistance tests for non-loadbearing elements - Part 4: Curtain walling - Part configuration

EN 1365-2  
2014                      Fire resistance tests for loadbearing elements - Part 2: Floors and roofs

EN 1365-3  
1999                      Fire resistance tests for loadbearing elements - Part 3: Beams

EN 1365-4  
1999                      Fire resistance tests on loadbearing elements - Part 4: Columns

EN 1366-1  
2014                      Fire resistance tests for service installations - Part 1: Ventilation ducts

EN 1366-2  
2015                      Fire resistance tests for service installations - Part 2: Fire dampers

EN 1366-3  
2009                      Fire resistance tests for service installations - Part 3: Penetration seals

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EN 1366-4 2006+A1:2010	Fire resistance tests for service installations - Part 4: Linear joint seals
EN 1366-5 2010	Fire resistance tests for service installations - Part 5: Service ducts and shafts
EN 1366-6 2004	Fire resistance tests for service installations - Part 6: Raised access and hollow core floors
EN 1366-7 2004	Fire resistance tests for service installations - Part 7: Conveyor systems and their closures
EN 1366-8 2004	Fire resistance tests for service installations - Part 8: Smoke extraction ducts
EN 1366-9 2008	Fire resistance tests for service installations - Part 9: Single compartment smoke extraction ducts
EN 1366-10 2011	Fire resistance tests for service installations - Part 10: Smoke control dampers
EN 1634-1 2014	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware - Part 1: Fire resistance test for door and shutter assemblies and openable windows
EN 1634-2 2008	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 13381-1 2014	Test methods for determining the contribution to the fire resistance of structural members - Part 1: Horizontal protective membranes
EN 13381-2 2014	Test methods for determining the contribution to the fire resistance of structural members - Part 2: Vertical protective membranes

EN 13381-3 2015	Test methods for determining the contribution to the fire resistance of structural members - Part 3: Applied protection to concrete members
EN 13381-4 2013	Test methods for determining the contribution to the fire resistance of structural members - Part 4: Applied passive protection to steel members
EN 13381-5 2014	Test methods for determining the contribution to the fire resistance of structural members - Part 5: Applied protection to concrete/profiled sheet steel composite member
EN 13381-6 2012	Test methods for determining the contribution to the fire resistance of structural members - Part 6: Applied protection to concrete filled hollow steel columns
prEN 13381-7 2014	Test methods for determining the contribution to the fire resistance of structural members - Part 7: Applied protection to timber members
EN 13381-8 2013	Test methods for determining the contribution to the fire resistance of structural members - Part 8: Applied reactive protection to steel members

**in conjunction with:**

<p><i>EN 13501-2 2007 +A1 2009</i></p>	<p><i>Fire classification of construction products and building elements - Part 2: Classification using data from fire resistance tests, excluding ventilation services</i></p>
<p><i>EN 13501-3 2005 +A1 2009</i></p>	<p><i>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</i></p>
<p><i>EN 13501-4 2007 +A1 2009</i></p>	<p><i>Fire classification of construction products and building elements - Part 4: Classification using data from fire resistance tests on components of smoke control systems</i></p>

### 6.3 External fire performance

CEN/TS 1187  
2012

Test methods for external fire exposure to roofs;

**in conjunction with:**

*EN 13501-5*  
*2005*  
*+A1*  
*2009*

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

*The requirements for a testing laboratory are fulfilled according to article 43 of the Construction Products Regulation.*

Abbreviations used:

DIBt    Deutsches Institut für Bautechnik (the German Institute for Standardization)  
EAD    European Assessment Documents  
ETAG    Guideline for European Technical Approval  
ISO    International Organization for Standardization  
NMP    DIN's Standards Committee Materials Testing