DAkkS
Deutsche
Akkreditierungsstelle

Accreditation

The Deutsche Akkreditierungsstelle attests with this **Accreditation Certificate** that the testing laboratory

Kiwa MPA Dresden GmbH
Fuchsmühlenweg 6 F, 09599 Freiberg

meets the requirements of DIN EN ISO/IEC 17025:2018 for the conformity assessment activities specified in the following partial accreditation certificates. This includes additional existing legal and normative requirements for the testing laboratory, including those in relevant sectoral schemes, provided that these are explicitly confirmed in the annexes to the partial accreditation certificates listed below.

D-PL-17819-01-01
D-PL-17819-01-02

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

This accreditation was issued in accordance with Art. 5 Para. 1 Sentence 2 of Regulation (EC) 765/2008, after an accreditation procedure was carried out in compliance with the minimum requirements of DIN EN ISO/IEC 17011 and on the basis of a review and decision of the appointed accreditation committees.

This accreditation certificate consists of this cover sheet, the reverse side of the cover sheet and the following annex. It only applies in connection with the partial accreditation certificates listed above and the notices referred to there.

Registration number of the certificate: **D-PL-17819-01-00**

Berlin, 21.08.2024 — Dipl.-Ing. Evelyn Körner, Head of Technical Unit

Translation issued: 21.08.2024 — Dipl.-Ing. Evelyn Körner, Head of Technical Unit

The certificate together with the annex reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH (www.dakks.de).

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

See notes overleaf

Deutsche Akkreditierungsstelle GmbH

Office Berlin
Spittelmarkt 10
10117 Berlin

Office Frankfurt am Main
Europa-Allee 52
60327 Frankfurt am Main

Office Braunschweig
Bundesallee 100
38116 Braunschweig

The Deutsche Akkreditierungsstelle GmbH (DAkkS) is the entrusted national accreditation body of the Federal Republic of Germany according to § 8 section 1 AkkStelleG in conjunction with § 1 section 1 AkkStelleGBV. DAkkS is designated as the national accreditation authority by Germany according to Art. 4 Para. 4 of Regulation (EC) 765/2008 and clause 4.7 of DIN EN ISO/IEC 17000.

Pursuant to Art. 11 section 2 of Regulation (EC) 765/2008, the accreditation certificate shall be recognised as equivalent by the national authorities within the scope of this Regulation as well as by the WTO member states that have committed themselves in bilateral or multilateral mutual agreements to recognise the certificates of accreditation bodies that are members of ILAC or IAF as equivalent.

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 Co-operation (ILAC).

The up-to-date state of membership can be retrieved from the following websites:
EA: www.european-accreditation.org
ILAC: www.ilac.org
IAF: www.iaf.nu

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-17819-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: **21.08.2024**

Date of issue: 21.08.2024

Holder of accreditation certificate:

Kiwa MPA Dresden GmbH
Fuchsmühlenweg 6 F, 09599 Freiberg

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed in the annexes to the partial accreditation certificates listed below.

D-PL-17819-01-01
D-PL-17819-01-02

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at https://www.dakks.de.

DAkkS
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Accreditation

The Deutsche Akkreditierungsstelle attests with this **Partial Accreditation Certificate** that the testing laboratory

Kiwa MPA Dresden GmbH
Fuchsmühlenweg 6 F, 09599 Freiberg

meets the requirements according to DIN EN ISO/IEC 17025:2018 for the conformity assessment activities listed in the annex to this certificate. This includes additional existing legal and normative requirements for the testing laboratory, including those in relevant sectoral schemes, provided they are explicitly confirmed in the annex to this certificate.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

This accreditation was issued in accordance with Art. 5 Para. 1 Sentence 2 of Regulation (EC) 765/2008, after an accreditation procedure was carried out in compliance with the minimum requirements of DIN EN ISO/IEC 17011 and on the basis of a review and decision of the appointed accreditation committees.

This partial accreditation certificate only applies in connection with the notice of 21.08.2024 with accreditation number D-PL-17819-01.
It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 17 pages.

Registration number of the partial accreditation certificate: **D-PL-17819-01-01**
It is a part of the accreditation certificate: D-PL-17819-01-00.

Berlin, 21.08.2024
Dipl.-Ing. Evelyn Körner
Head of Technical Unit

Translation issued:
21.08.2024
Dipl.-Ing. Evelyn Körner
Head of Technical Unit

The certificate together with the annex reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH (www.dakks.de).

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Pursuant to Art. 11 section 2 of Regulation (EC) 765/2008, the accreditation certificate shall be recognised as equivalent by the national authorities within the scope of this Regulation as well as by the WTO member states that have committed themselves in bilateral or multilateral mutual agreements to recognise the certificates of accreditation bodies that are members of ILAC or IAF as equivalent.

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Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-17819-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: **21.08.2024**

Date of issue: 21.08.2024

This annex is a part of the accreditation certificate D-PL-17819-01-00.

Holder of partial accreditation certificate:

Kiwa MPA Dresden GmbH
Fuchsmühlenweg 6 F, 09599 Freiberg

with the location

Kiwa MPA Dresden GmbH
Fuchsmühlenweg 6 F, 09599 Freiberg

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

Tests in the fields:

Testing of portable fire extinguishers, mobile fire extinguishers without own power operation and fire extinguishers fixed in vehicles, fire extinguishers for controlling pulverised lignite and smouldering fire; testing of fire extinguishing sprays;
Testing of fire extinguishing agents; fire tests of building materials, building components and construction products, roofing, cables and insulated lines, safety storage cabinets, upholstered furniture and upholstery composites, textiles, bedding as well as testing of fire behaviour under actual fire conditions, fire tests in the area of maritime transport and railway vehicles

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at https://www.dakks.de.

Testing of construction products (System 3 for the evaluation and testing of the constancy of performance) within the scope of the Directive (EU) no. 305/2011 for the definition of harmonised conditions for the marketing of construction products (Construction Product Regulation)

Testing of reaction to fire, fire resistance and external fire performance of construction products for which the reference to a relevant harmonised technical specification is not required (point 3, Annex V, (EU) no. 305/2011)

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.

Content

1 Fire extinguishers

1.1 Portable fire extinguishers

DIN EN 3-7 2007-10	Portable fire extinguishers - Part 7: Characteristics, performance requirements and test methods
DIN EN 3-8 2007-02 Corrigendum 1 2008-01	Portable fire extinguishers - Part 8: Additional requirements to EN 3-7 for the construction, resistance to pressure and mechanical tests for extinguishers with a maximum allowable pressure equal to or lower than 30 bar *(withdrawn)* *Without*: section 6.3.6 macroscopic examination of the tank Annex D.2.4 Ageing test - Xenon-arc, artifical ageing according EN ISO 4892-2, method A Annex D.2.5 Impact test after ageing at 20°C (Conditioning via ageing test according to EN ISO 4892-2, method A)
DIN EN 3-9 2007-02 Corrigendum 1 2008-01	Portable fire extinguishers - Part 9: Additional requirements to EN 3-7 for pressure resistance of CO_2 - extinguishers

1.2 Mobile fire extinguishers without own power operation

DIN EN 1866-1 2007-10 Corrigendum 1 2008-01	Mobile fire extinguishers - Part 1: Characteristics, performance and test methods
DIN EN 1866-2 2014-07	Mobile fire extinguishers - Part 2: Requirements for the construction, pressure resistance and mechanical tests for extinguishers, with a maximum allowable pressure equal to or lower than 30 bar, which comply with the requirements of EN 1866-1
DIN EN 1866-3 2013-08	Mobile fire extinguishers - Part 3: Requirements for the assembly, construction and pressure resistance of CO_2 extinguishers which comply with the requirements of EN 1866-1

1.3 Other fire extinguishers

LG-01 1996-11	Suitability testing of fire extinguishers for controlling pulverised lignite and smouldering fire

1.4 Fire extinguishing sprays

EK5/TA7 29-11 2021	Priciples for the testing and Certification of Fire Extinguishing Sprays
DIN SPEC 14411 2013-07	Extinguishing aerosol dispenser *(withdrawn)*
DIN EN 16856 2020-06	Portable aerosol dispensers for fire extinguishing purposes

2 Fire extinguishing agents

DIN EN 615 2009-08	Fire protection - Fire extinguishing media - Specifications for powders (other than class D powders) *except:* Section 7 Chemical composition
DIN EN 1568-1 2018-05	Fire extinguishing media - Foam concentrates - Part 1: Specification for medium expansion foam concentrates for surface application to water - immiscible liquids
DIN EN 1568-2 2018-05	Fire extinguishing media - Foam concentrates - Part 2: Specification for high expansion foam concentrates for surface application to water - immiscible liquids
DIN EN 1568-3 2018-05	Fire extinguishing media - Foam concentrates - Part 3: Specification for low expansion foam concentrates for surface application to water - immiscible liquids
DIN EN 1568-4 2018-05	Fire extinguishing media - Foam concentrates - Part 4: Specification for low expansion foam concentrates for surface application to water - miscible liquids
DIN EN 1869 2019-10	Fire blankets
ICAO Airport Services Manual, part1, chapter 8: 2015	Availability of Extinguishing Media - Specification, Procedures and Performance Levels

IMO MSC/Circ. 670 1995-01	Guidelines for the performance and testing criteria and surveys of high - expansion foam concentrates for fixed fire - extinguishing systems
IMO MSC/Circ. 798 1997-06	Guidelines for the performance and testing criteria and surveys of medium - expansion foam concentrates for fixed fire - extinguishing systems
IMO MSC.1/Circ. 1312 2009-06 Corrigendum 1 2011-11	Revised guidelines for the performance and testing criteria and surveys of foam concentrates for fixed fire-extinguishing systems
ISO 7202 2012-07	Fire protection – Fire extinguishing media – Powder *(withdrawn)* *except*: section 5.4 - Chemical composition
ISO 7203-1 2011-05	Fire extinguishing media - Foam concentrates - Part 1: Specification for low-expansion foam concentrates for top application to water-immiscible liquids
ISO 7203-2 2011-05	Fire extinguishing media - Foam concentrates - Part 2: Specification for medium- and high-expansion foam concentrates for top application to water-immiscible liquids
ISO 7203-3 2011-08	Fire extinguishing media - Foam concentrates - Part 3: Specification for low-expansion foam concentrates for top application to water-miscible liquids
LM 01-01 2017-03, in-house method	Testing of aqueous fire extinguishing agents

3 Fire tests on building components and construction products, as well as safety storage cabinets, cables and insulated cables; testing of fire behaviour under actual fire conditions

3.1 Building materials, building components and construction products

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 - Part 2: Building components - definitions, requirements and tests

DIN 4102-3 1977-09	Fire behaviour of building materials and building components - Part 3: Fire walls and non-load-bearing external walls - definitions, requirements and tests
DIN 4102-5 1977-09	Fire behaviour of building materials and building components - Part 5: Fire barriers, barriers in lift wells and glazings resistant against fire - definitions, requirements and tests
DIN 4102-7 2018-11	Fire behaviour of building materials and building components - Part 7: Roofing - requirements and testing
DIN 4102-8 2003-10	Fire behaviour of building materials and building components - Part 8: Small scale test furnace
DIN 4102-9 1990-05	Fire behaviour of building materials and building components - Part 9: Seals for cable penetrations; concepts, requirements and testing
DIN 4102-11 1985-12	Fire behaviour of building materials and building components - Part 11: 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 building components - Part 13: Fire resistant glazing; concepts, requirements and testing
DIN 4102-16 2021-01	Fire behaviour of building materials and building components - Part 16: *"Brandschacht"* tests
DIN 4102-17 2017-12	Fire behaviour of building materials and building components - Part 17: Determination of melting point of mineral fibre insulating materials - definitions, requirements and testing
DIN 4102-20 2017-10	Fire behaviour of building materials and building components - Part 20: Complementary verification for the assessment of the fire behaviour of external wall claddings
DIN 4102-24 2022-12	Fire behaviour of building materials and building components - Part 24: Assessment of the reaction to fire behaviour of external wall claddings using the base fire test method for façades

DIN 18089-1 1984-01	Fire barriers; fillers for fire-doors; mineral fibre boards (felts); definition, designation, requirements, tests
DIN EN 1363-1 2020-05	Fire resistance tests - Part 1: General requirements
DIN EN 1363-2 1999-10	Fire resistance tests - Part 2: Alternative and additional procedures
DIN EN 1365-1 2013-08	Fire resistance tests for loadbearing elements - Part 1: Walls
DIN EN 1366-11 2018-07	Fire resistance tests for service installations - Part 11: Fire protective systems for cable systems and associated components
DIN EN 1366-12 2020-01	Fire resistance tests for service installations - Part 12: Non-mechanical fire barrier for ventilation ductwork
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 IEC 61730-2 VDE 0126-30-2 MST 23 2018-10	Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing, only point 10.17 - fire test MST 23 *here:* Item 10.17 Fire test MST23
DIN EN ISO 7840 2021-05	Small craft - Fire-resistant fuel hoses *(withdrawn)* *here:* section 5.7 Resistance to fire Annex A Fire resistance tests
DIN EN ISO 11925-2 2020-07	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test
BS 8414-1 2020-04	Fire performance of external cladding systems. Test method for non-loadbearing external cladding systems applied to the masonry face of a building
IMO FTP CODE 2010	International code for application of fire test procedures, 2010 (2010 FTP CODE), MSC.307 (88) *Here:* Annex 1 Fire test procedures Part 1 Non-combustibility test Part 3 Test for "A", "B" and "F" class divisions Part 4 Test for fire door control systems

	Part 5 Test for surface flammability (Test for surface materials and primary deck coverings) Part 7 Test for vertically supported textiles and films Part 8 Test for upholstered furniture Part 9 Test for bedding components
ISO 834-1 1999-09	Fire resistance tests - Building components - Part 1 General requirements
ISO 5658-2 2006-09 Amendment 1 2011-11	Reaction to fire tests - Spread of flame - Part 2: Lateral spread on building and transport products in vertical configuration
UL 790 2004-04	Standard test methods for fire tests on roof covering
UL 1703 2015-10	Safety for Flat-Plate Photovoltaic Modules and Panels Point 31 - Fire tests
MVVTB 2023-02, Annex 5 (2016-06)	WDVS with EPS, Socket fire test procedure

3.2 Cables and insulated lines

DIN EN 50200 VDE 0482-200 2016-07	Method of test for resistance to fire of unprotected small cables for use in emergency circuits
DIN EN 50266-2-1 VDE 0482-266-2-1 2001-09	General testing methods for cables and insulated lines under fire conditions - Testing of vertical flame spread of vertically-mounted bundles of cables and insulated lines - Part 2-1: Testing methods - testing type A F/R *(withdrawn)*
DIN EN 50266-2-2 VDE 0482-266-2-2 2001-09	General testing methods for cables and insulated lines under fire conditions - Testing of vertical flame spread of vertically-mounted bundles of cables and insulated lines - Part 2-2: Testing methods - testing type A (*withdrawn)*

DIN EN 50266-2-3 VDE 0482-266-2-3 2001-09	General testing methods for cables and insulated lines under fire conditions - Testing of vertical flame spread of vertically-mounted bundles of cables and insulated lines - Part 2-3: Testing methods - testing type B (*withdrawn)*
DIN EN 50266-2-4 VDE 0482-266-2-4 2001-09	General testing methods for cables and insulated lines under fire conditions - Testing of vertical flame spread of vertically-mounted bundles of cables and insulated lines - Part 2-4: Testing methods - Thin cables, testing type C (*withdrawn)*
DIN EN 50266-2-5 VDE 0482-266-2-5 2001-09	General testing methods for cables and insulated lines under fire conditions - Testing of vertical flame spread of vertically-mounted bundles of cables and insulated lines - Part 2-5: Thin cables, testing type D (*withdrawn)*
DIN EN 50267-2-1 VDE 0482-267-2-1 1999-04	General testing methods for behaviour of wires and insulated cables under fire conditions - Testing of gases produced during combustion of materials in cables and insulated lines - Part 2-1: Testing methods - determination of the amount of halogen hydracids (*withdrawn)*
DIN EN 50399 VDE 0482-399 2017-02	Common test methods for cables under fire conditions - Heat release and smoke production measurement on cables during flame spread test - Test apparatus, procedures, results (*withdrawn)*
DIN EN 60332-1-2 VDE 0482-332-1-2 2022-07	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 (IEC 60332-1-2:2004 + A1:2015)
DIN EN 60332-1-3 VDE 0482-332-1-3 2017-09	Tests on electric and optical fibre cables under fire conditions - Part 1-3: Test for vertical flame propagation for a single insulated wire or cable - Procedure for determination of flaming droplets/particles (IEC 60332-1-3:2004 + A1:2015)
DIN EN 60332-2-2 VDE 0482-332-2-2 2005-06	Tests on electric and optical fibre cables under fire conditions - Part 2-2: Test for vertical flame propagation for a single small insulated wire or cable - Procedure for diffusion flame (IEC 60332-2-2:2004)

DIN EN IEC 60332-3-10 VDE 0482-332-3-10 2023-03	Tests on electric and optical fibre cables under fire conditions - Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables - Apparatus (IEC 60332-3-10:2018, modified + COR1:2018)
DIN EN IEC 60332-3-21 VDE 0482-332-3-21 2019-05	Tests on electric and optical fibre cables under fire conditions - Part 3-21: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A F/R (IEC 60332-3-21:2018)
DIN EN 60332-3-22 VDE 0482-332-3-22 2019-05	Testing of cables, insulated lines and optical fibre cables under fire conditions - Part 3-22: Testing of vertical flame spread of vertically-mounted bundles of cables and insulated lines - Testing type A (IEC 60332-3-22:2018)
DIN EN 60332-3-23 VDE 0482-332-3-23 2019-05	Tests on electric and optical fibre cables under fire conditions - Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables - Apparatus (IEC 60332-3-10:2018, modified + COR1:2018)
DIN EN 60332-3-24 VDE 0482-332-3-24 2019-05	Tests on electric and optical fibre cables under fire conditions - Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category C (IEC 60332-3-24:2018)
DIN EN 60332-3-25 VDE 0482-332-3-25 2019-05	Testing of cables, insulated lines and optical fibre cables under fire conditions - Part 3-25: Testing of vertical flame spread of vertically-mounted bundles of cables and insulated lines - Testing type D (IEC 60332-3-25:2018)
DIN EN 60439-2 VDE 660-502 2006-07	Low-voltage switchgear assemblies - Part 2: Particular requirements for busbar trunking systems (busways) *(withdrawn)* *hier:* Section 8.2.14 Verification of resistance to fire propagation
DIN EN 60754-1 VDE 0482-754-1 2021-02	Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content (IEC 60754-1:2011 + corrigendum Nov. 2013 + A1:2019)
DIN EN 60754-2, 2021-02 VDE 0482-754-2 2021-02	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity (IEC 60754-2:2011 + A1:2019)
DIN EN 61034-2 VDE 0482-1034-2 2021-02	General testing methods for behaviour of wires and insulated cables under fire conditions - Measurement of smoke density of cables and insulated lines burning under defined conditions - Part 2: Testing method (IEC 61034-2:2005 + A1:2013 + A2:2019)

DIN EN 61439-6 VDE 0660-600-6 2013-06	Low-voltage switchgear and controlgear assemblies - Part 6: Busbar trunking systems (busways) (IEC 61439-6:2012), *here:* section 9.101 resistance to fire spread section 9.102 fire resistance section 10.101 proof of resistance to fire spread section 10.102 proof of fire resistance for building penetrations
IEC 60331-21 1999-04	Tests for electric cables under fire conditions - Circuit integrity - Part 21: Procedures and requirements - Cables of rated voltage up to and including 0,6/1,0 kV
IEC 60331-23 1999-04	Tests for electric cables under fire conditions. Circuit integrity. Part 23. Procedures and requirements. Electric data cables
UIC 564-2, Annex 9 1991-01	Testing method for determining the reaction of electrical lines on fire
UIC 895, Annex 6 1976-07	Testing of flame resistance, testing methods
BS 6853 1999-01	Code of practice for fire precautions in the design and construction of passenger carrying trains table 13 and 14 and annex D 8.7 - Flame spread - Measurement of smoke density of cables

3.3 Safety storage cabinets

DIN EN 1047-1 2019-12	Secure storage units - Classification and methods of test for resistance to fire - Part 1: Data cabinets and diskette inserts
DIN EN 1047-2 2019-06	Secure storage units - Classification and methods of test for resistance to fire - Part 2: Data rooms and data container
DIN EN 14470-1 2004-07	Fire safety storage cabinets - Part 1: Safety storage cabinets for flammable liquids *(withdrawn)*
DIN EN 15659 2020-02	Secure storage units - Classification and methods of test for resistance to fire - Light fire storage units

3.4 Upholstered furniture and upholstery composites, textiles and bedding

DIN EN ISO 12952-1 2011-01	Textiles - Assessment of the ignitability of bedding items - Part 1: Ignition source smouldering cigarette
DIN EN ISO 12952-2 2011-01	Textiles - Assessment of the ignitability of bedding items - Part 2: Ignition source match-flame equivalent
DIN EN 597-1 2016-03	Furniture - Assessment of the ignitability of mattressess and upholstered bed bases - Part 1: Ignition source smouldering cigarette
DIN EN 597-2 2016-03	Furniture - Assessment of the ignitability of mattresses and upholstered bed bases - Part 2: Ignition source: match flame equivalent
DIN EN 1021-1 2014-10	Furniture - Assessment of the ignitability of upholstered furniture - Part 1: Ignition source smouldering cigarette
DIN EN 1021-2 2014-10	Furniture - Assessment of the ignitability of upholstered furniture - Part 2: Ignition source a gas flame equivalent to a burning match
DIN EN 13820 2003-12	Thermal insulating materials for building applications - Determination of organic content
DIN 54341 1988-01	Testing of seats in railway vehicles for public transport; determination of burning behaviour with a paper pillow as ignition source *(withdrawn)*
DIN 53438-1 1984-06	Testing of combustible materials; response to ignition by a small flame; general data
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 66084 2021-02	Classification of burning behaviour of upholstered compounds *here:* Annex A – Burning behavior of upholstery composites: Test with a paper pad

3.5 Railway applications

DIN EN 50305 VDE 0260-305 2021-01	Railway applications - Railway rolling stock cables having special fire performance - Test methods, *here:* section 9.1 - Flame spread
DIN 5510-2 2009-05	Preventive fire protection in railway vehicles - Part 2: Fire behaviour and fire side effects of materials and parts - Classification, requirements and test methods annex A: Testing of seats in railway vehicles (seat cushion test) (*withdrawn)*
DIN 54341 1988-01	Testing of seats in railway vehicles for public transport; determination of burning behaviour with a paper pillow as ignition source *(withdrawn)*
DIN 54837 2007-12	Testing of materials, small components and component sections in railway vehicles - Determination of burning behaviour using a gas burner (wide-slot burner test) (*withdrawn)*

Chapter 3 with reference to

DIN EN 13501-1 2019-05	*Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests*
DIN EN 13501-2 2016-02	*Fire classification of construction products and building elements - Part 2: Classification using data from fire resistance tests, excluding ventilation services*
DIN EN 13501-3 2010-02	*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*
DIN EN 13501-5 2016-12	*Fire classification of construction products and building elements - Part 5: Classification using data from external fire exposure to roofs tests*
DIN EN 13501-6 2019-05	*Fire classification of construction products and building elements - Part 6: Classification using data from reaction to fire tests on electric cables*

DIN EN 45545-1 2013-08	*Railway applications - Fire protection on railway vehicles - Part 1: General*
DIN EN 45545-2 2020-10	*Railway applications - Fire protection on railway vehicles - Part 2: Requirements for fire behaviour of materials and components*
DIN EN 45545-3 2013-08	*Railway applications - Fire protection on railway vehicles - Part 3: Fire resistance requirements for fire barriers*

4 Testing of construction products (System 3 for the evaluation and testing of the constancy of performance) within the scope of the Directive (EU) no. 305/2011 for the definition of harmonised conditions for the marketing of construction products (Construction Product Regulation)

Decision / Resolution of the Commission	System[1)]	Technical specification
2011/284/EC Power, control and communication cables	3	**EN 50575:2014 + A1:2016** Power, control and communication cables - Cables for general applications in construction works subject to reaction to fire requirements

[1)] Systems of 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 harmonised technical standards.

5 Testing of reaction to fire, fire resistance and external fire performance of construction products for which the reference to a relevant harmonised technical specification is not required (point 3, Annex V, (EU) no. 305/2011)

5.1 Reaction to fire

DIN EN 13823 2023-04	Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item
DIN EN ISO 1182 2020-11	Reaction to fire tests for products - Non-combustibility test

DIN EN ISO 11925-2 2020-07	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test
DIN EN ISO 1716 2018-10	Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value)
DIN EN ISO 9239-1 2010-11	Reaction to fire tests for floorings - Part 1: Determination of the burning behaviour using a radiant heat source

chapter 5.1 with reference to:

EN 13501-1 2018	*Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests*
EN 13501-6 2018	*Fire classification of construction products and building elements - Part 6: Classification using data from reaction to fire tests on electric cables*

5.2 Resistance to fire

DIN EN 1364-1 2015-09	Fire resistance tests for non-loadbearing elements - Part 1: Walls
DIN EN 1364-2 2018-03	Fire resistance tests for non-loadbearing elements - Part 2: Ceilings
DIN EN 1364-3 2014-05	Fire resistance tests for non-loadbearing elements - Part 3: Curtain walling - Full configuration (complete assembly)
DIN EN 1364-4 2014-05	Fire resistance tests for non-loadbearing elements - Part 4: Curtain walling - Part configuration
DIN EN 1365-2 2015-02	Fire resistance tests on load-bearing building components - Part 2: Ceilings and roofs
DIN EN 1366-1 2020-11	Fire resistance tests on service installations - Part 1: Ventilation ducts;
DIN EN 1366-3 2009-07	Fire resistance tests on service installations - Part 3: Penetration seals
DIN EN 1366-4 2021-05	Fire resistance tests on service installations - Part 4: Linear joint seals

DIN EN 1366-5 2021	Fire resistance tests on service installations - Part 5: Service ducts and shafts
DIN EN 1366-6 2004	Fire resistance tests on service installations - Part 6: Raised access and hollow core floors
DIN EN 1366-7 2004	Fire resistance tests on service installations - Part 7: Conveyor systems and their shutters
DIN EN 14135 2004-11	Coverings - Determination of fire protection ability
DIN EN 1634-1 2018-04	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

chapter 5.2 with reference to:

EN 13501-2 2016	*Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests*
EN 13501-3 2010	*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*

5.3 External fire performance

DIN CEN/TS 1187 DIN SPEC 91187 2012-03	Test method for exposure of roofing to external fires - Method 1

chapter 5.3 with reference to:

EN 13501-5 2016	*Fire classification of construction products and building elements - Part 5: Classification using data from external fire exposure to roofs tests*

The testing laboratory meets the appropriate requirements in accordance with Article 43 of the Construction Products Regulation.

Abbreviations used:

BS	British Standard
CEN/TS	Technical specification of the Comité Européen de Normalisation (European Committee for Standardisation)
DIN	Deutsches Institut für Normung e.V. (German Institute for Standardisation)
EN	Europäische Norm (European Standard)
EK5	Experience exchange forum No. 5, according to decision of principle ZEK-GB-2004-04 (ZEK 40.2-04)
FTP	Fire Test Procedures
ICAO	International Civil Aviation Organisation
IEC	International Electrotechnical Commission
IMO	International Maritime Organisation
ISO	International Organisation for Standardisation
LG or LM	In-house procedures of MPA Dresden GmbH for fire extinguishers and fire extinguishing agents
MST	Module Safety Test
MSC	Marine Safety Committee
MVV TB	Musterverwaltungsvorschrift Technische Baubestimmungen (Specimen Administrative Provision Technical Building Regulations)
UIC	Union internationale des chemins de fer (International Union of Railways)
UL	Underwriters Laboratories
VDE	VDE Verband der Elektrotechnik Elektronik Informationstechnik e.V. (Association for Electrical, Electronic and Information Technologies)
ZEK	Central experience exchange group of notified bodies and GS-bodies according to the product safety law (Produktsicherheitsgesetz)