DAkkS
Deutsche
Akkreditierungsstelle

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

MPA Dresden GmbH
Fuchsmühlenweg 6F, 09599 Freiberg

is competent under the terms of DIN EN ISO/IEC 17025:2018 to carry out tests in the following 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

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 accreditation certificate shall only apply in connection with the notice of accreditation of 25.04.2022 with the accreditation number D-PL-17819-01. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 17 pages.

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

Berlin, 25.04.2022	Dipl.-Ing. Gabriel Zrenner Head of Department	Translation issued: 25.04.2022	Head of Department

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 at https://www.dakks.de/en/accredited-bodies-search.html.

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

See notes overleaf.

Deutsche Akkreditierungsstelle GmbH

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Spittelmarkt 10
10117 Berlin

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

Office Braunschweig
Bundesallee 100
38116 Braunschweig

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
ILAC: www.ilac.org
IAF: www.iaf.nu

Deutsche Akkreditierungsstelle GmbH

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

Valid from: **25.04.2022**

Date of issue: 15.06.2022

Holder of certificate:

MPA Dresden GmbH
Fuchsmühlenweg 6F, 09599 Freiberg

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

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 management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories. Laboratories that conform to the requirements of this standard, operate generally in accordance with the principles of DIN EN ISO 9001.

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 may be found respectively in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH https://www.dakks.de/en/content/accredited-bodies-dakks.

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

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 *except:* 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
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 13-12 2013-12	Guideline for testing and certification of fire extinguishers of the aerosol type (GS-Mark, for testing only)
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 6 - 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 *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	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 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 61730-2 - MST 23 VDE 0126-30-2 2018-10 IEC 61730-2 – MST 23 2016-08	Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing, only point 10.17 - fire test MST 23
DIN EN ISO 7840 2021-05	Small craft - Fire-resistant fuel hoses 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
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
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
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

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 standard)*
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 standard)*
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
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 standard)*
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 standard)*
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 standard)*
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

DIN EN 60332-1-2 VDE 0482-332-1-2 2017-09 ICE 60332-1-2 2004+A1:2015	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 EN 60332-1-3 VDE 0482-332-1-3 2017-09 ICE 60332-1-3 2004+A1:2015	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
DIN EN 60332-2-2 VDE 0482-332-2-2 2005-06 ICE 60332-2-2 2004	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
DIN EN IEC 60332-3-21 2019-05 VDE 0482-332-3-21 2019-05	Testing of cables and insulated lines under fire conditions - Part 3-21: Testing of vertical flame spread of vertically-mounted bundles of cables and insulated lines - Testing type A F/R (IEC 60332-3-21:2018)
DIN EN 60332-3-22, 2019-05 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, 2019-05 VDE 0482-332-3-23 2019-05	Testing of cables, insulated lines and optical fibre cables under fire conditions - Part 3-23: Testing of vertical flame spread of vertically-mounted bundles of cables and insulated lines - Testing type B (IEC 60332-3-23:2018)
DIN EN 60332-3-24 2019-05 VDE 0482-332-3-24 2019-05	Testing of cables, insulated lines and optical fibre cables under fire conditions - Part 3-24: Testing of vertical flame spread of vertically-mounted bundles of cables and insulated lines - Testing type C (IEC 60332-3-24:2018)
DIN EN 60332-3-25 2019-05 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) Section 8.2.14 Verification of resistance to fire propagation *(withdrawn)*
DIN EN 60754-1, 2021-02 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 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 2021-02 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 600-600-6 2013-06 IEC 61439-6 2012	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 section 10.102
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
MVV TB, Annex 5 2020-01	WDVS with EPS, Socket fire test procedure

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
DIN EN 14470-2 2006-11	Fire safety storage cabinets - Part 2: Safety cabinets for pressurised gas cylinders
DIN EN 14727 2006-03	Laboratory furniture - Storage units for laboratories - Requirements and test methods (*withdrawn standard)*
DIN EN 15659 2020-02	Secure storage units - Classification and methods of test for resistance to fire - Light fire storage units
DIN EN 16121 2017-12	Non-domestic storage furniture - Requirements for safety, strength, durability and stability, *except:* section 5.5, para.1, section 5.6.7, section 5.7.1.12, section 6.1.7

DIN EN 16122 2012-10	Domestic and non-domestic storage furniture - Test methods for the determination of strength, durability and stability *except:* section 6.4.3, section 7.3.2, section 7.3.3, section 10.1, section 11.6
EK/AK4 09-10 2009-12	Revised guideline for testing and certification of safety storage cabinets within the framework of GS-marking

3.4 Upholstered furniture and upholstery composites, textiles and bedding

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 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 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

3.5 Railway applications

DIN EN 50305, 2021-01 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

EN 13823 2020	Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item
EN ISO 1182 2020	Reaction to fire tests for products - Non-combustibility test
EN ISO 11925-2 2020	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test
EN ISO 1716 2018	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

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

EN 1364-1 2015	Fire resistance tests for non-loadbearing elements - Part 1: Walls
EN 1364-2 2018	Fire resistance tests for 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 on load-bearing building components - Part 2: Ceilings and roofs
EN 1366-1 2014+A1:2020	Fire resistance tests on service installations - Part 1: Ventilation ducts;
EN 1366-3 2009	Fire resistance tests on service installations - Part 3: Penetration seals
EN 1366-4 2021	Fire resistance tests on service installations - Part 4: Linear joint seals
EN 1366-5 2021	Fire resistance tests on service installations - Part 5: Service ducts and shafts
EN 1366-6 2004	Fire resistance tests on service installations - Part 6: Raised access and hollow core floors
EN 1366-7 2004	Fire resistance tests on service installations - Part 7: Conveyor systems and their shutters
EN 14135 2004	Coverings - Determination of fire protection ability
EN 1634-1 2014 + A1:2018	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

CEN/TS 1187 2012	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)
NF	Norme Française (French Standard)
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)