

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-11035-03-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 02.04.2019 to 24.10.2022

Date of issue: 02.04.2019

Holder of certificate:

DMT GmbH & Co. KG
Prüfstelle für Brandschutz

at the locations:

Tremoniastraße 13, 44137 Dortmund
Hermann-Kemper-Straße 12a, 49762 Lathen

Tests in the fields:

Burning behavior of building materials and elements in mining (conveyor goodness), of petroleum and related products, of roofings, building materials, materials and components (incl. plastics) of rail vehicle construction (national and European), of plastics, furniture and components in shipbuilding according to IMO, of interior systems in automotive engineering, of personal protective equipment (PPE), of plastics, textiles and combustible materials, of mattresses and upholstered furnitures; fire resistance tests and continuous function tests on components, windows and doors and facade constructions; fire resistance tests on fire protection closures in rail vehicle constructions and components in shipbuilding; mechanical tests on gates, doors and smoke barriers; fire protection testing of cable systems with functional integrity; tests of battery systems on resistance against exposure to fire;

Tests on fire behavior of construction products, that do not require a declaration of a relevant harmonized technical specification (number 3, annex V, (EU) No. 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 date. The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

The tests are performed at the respectively marked sites.

Location of the laboratory Dortmund D;

Location of the laboratory Lathen L

1 Site Dortmund (D)

1.1 Ignitability

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 ISO 20823 2003-10 EN ISO 20823 2003 ISO 20823 2003-08	Petroleum and related products - Determination of the flammability characteristics of fluids in contact with hot surfaces – Manifold ignition test
DIN EN 597-1 2016-03	Furniture - Assessment of the ignitability of mattresses 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 match flame equivalent
DIN EN 1554 2012-10 EN 1554 2012	Conveyor belts - Drum friction testing
AS 1334.11 1988	Methods of testing conveyor and elevator belting - Determination of ignitability and maximum surface temperature of belting subjected to friction

1.2 Reaction to fire

ISO 3795 1989-10	Road vehicles, and tractors and machinery for agriculture and forestry - Determination of burning behaviour of interior materials
ISO 5658-2 2006-09 + AMD 1 2011-11	Reaction to fire tests - Spread of flame - Part 2: Lateral spread on building and transport products in vertical configuration
ISO 6722 2006-08	Road vehicles - 60 V and 600 v single-core cables - Dimensions, test methods and requirements section 12 Resistance to flame propagation <i>(withdrawn standard)</i>
ISO 6722-1 2011-10	Road vehicles - 60 V and 600 V single-core cables - Part 2: Dimensions, test methods and requirements for copper conductor cables section 5.22 Resistance to flame propagation
ISO 6722-2 2013-12	Road vehicles - 60 V and 600 V single-core cables - Part 2: Dimensions, test methods and requirements for aluminium conductor cables section 5.22 Resistance to flame propagation
ISO 14572 2011-10	Road vehicles - Round, sheathed, 60 V and 600 V screened and unscreened single- or multi-core cables – Test methods and requirements for basic- and high-performance cables section 5.21 Resistance to flame propagation
DIN EN 16989 2018-08	Railway applications - Fire protection on railway vehicles - Fire behaviour test for a complete seat
DIN EN ISO 340 2013-10 EN ISO 340 2013 ISO 340 2013-04	Conveyor belts - Laboratory scale flammability characteristics - Requirements and test method
DIN EN ISO 6941 2004-05	Textile fabrics - Burning behaviour - Determination of ease of ignition of vertically oriented specimens

ISO 15029-2 2018-04	Petroleum and related products - Determination of spray ignition characteristics of fire-resistant fluids - Part 2: Spray test - Stabilised flame heat release spray method
DIN EN 12881-1 2015-10 EN 12881-1 2014	Conveyor belts - Fire simulation flammability testing - Part 1: Propane burner tests
DIN EN 12881-2 2009-10 EN 12881-2 2008	Conveyor belts - Fire simulation flammability testing - Part 2: Large scale fire test
DIN EN 16989 2018-08	Railway applications - Fire protection on railway vehicles - Fire behavior test for a complete seat
DIN EN 45545-2 2016-02	Railway applications - Fire protection on railway vehicles - Part 2: Requirements for fire behaviour of materials and components
DIN EN 60695-11 VDE 0471-11-10 2014-10	Fire hazard testing - Part 11-10: Test flames - 50 W horizontal and vertical flame test methods
DIN 4102-1 1998-05	Fire behaviour of building materials and building components - Part 1: Building materials; concepts, requirements and tests
DIN 4102-15 1990-05	Fire behaviour of building materials and elements Part 15: "Brandschacht" section 7 – Setting conditions and "Brandschacht" tests
DIN 4102-16 2015-09	Fire behaviour of building materials and building components - Part 16: "Brandschacht" tests
DIN 22118 1991-08	Conveyor belts with textile plies for use in coal mining; fire testing (<i>withdrawn standard</i>)
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

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DIN 53438-3 1984-06	Testing of combustible materials; response to ignition by a small flame - surface ignition
DIN 54341 1988-01	Testing of seats in railways for public traffic - determination of burning behaviour with a paper pillow ignition source
DIN 54837 2007-12	Testing of materials, small components and component sections for rail vehicles - Determination of burning behaviour using a gas burner <i>(withdrawn standard)</i>
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 (Annexes A, B, C and D, except D.3) <i>(withdrawn standard)</i>
DIN 75200 1980-09	Determination of burning behaviour of interior materials in motor vehicles
DIN CEN/TS 45545-2 2009-07	Railway applications - Fire protection on railway vehicles - Part 2: Requirements for fire behaviour of materials and components <i>(withdrawn standard)</i>
EU Directive 95/28/EG 1995-10	Directive 95/28/EG of the European Pralament and of the council of 24 October 1995 relating to the burning behavior of materials used in the interior construction of certain categories of motor vehicle, here: Annex IV Test to determine the horizontal burning rate of materials Annex VI Test to determine the vertical burning rate of materials
ECE-R 118 - Rev. 1 / UN Regulation No. 118 - Rev. 1 2012-07	Uniform technical prescriptions concerning the burning behavior and/or the capability to repel fuel or lubricant of materials used in the construction of certain categories of motor vehicles
IMO 2010 FTP Code Part 5 /IMO-Resolution MSC. 307(88) 2010-12	Test for surface flammability (Test for surface materials and primary deck coverings)

IMO 2010 FTP Code Part 7 /IMO-Resolution MSC. 307(88) 2010-12	Test for vertically supported textiles and films
IMO 2010 FTP Code Part 8 /IMO-Resolution MSC. 307(88) 2010-12	Test for upholstered furniture
IMO 2010 FTP Code Part 9 /IMO-Resolution MSC. 307(88) 2010-12	Test for bedding components
AS 1334.10 1994	Methods of testing conveyor and elevator belting - Determination of ignitability and flame propagation characteristics of conveyor belting
AS 1334.12 1996-11	Methods of testing conveyor and elevator belting - Determination of combustion propagation characteristics of conveyor belting
AS 4606 2012	Grade S fire resistant and antistatic requirements for conveyor belting and conveyor accessories
FMVSS 302 2014-01	Standard Nor. 302; Flammability of interior material
Technical Standard Doc. No. 302 CMVSS 302 2007	Flammability of interior material

1.3 Flame persistence

DIN EN ISO 14935 1998-1 EN ISO 14935 1998 ISO 14935 1998-05	Petroleum and related products - Determination of wick flame persistence of fire-resistant fluids
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DIN EN ISO 15029-1
2002-10
EN ISO 15029-1
1999
ISO 15029-1
1999-12

Petroleum and related products - Determination of spray ignition characteristics of fire-resistant fluids - Part 1: Spray flame persistence; Hollow-cone nozzle method

1.4 Toxicity

E DIN EN 17084
2017-02

Railway applications - Fire protection in railway vehicles - Toxicity test of materials and components

IMO 2010 FTP Code
Part 2
IMO-Resolution
MSC. 307(88)
2010-12

Smoke and Toxicity test

1.5 Oxygen index

DIN EN ISO 4589-2
2017-08

Plastics - Determination of burning behaviour by oxygen index - Part 2: Ambient-temperature test

DIN 22117
1988-02

Conveyor belts for coalmining; determination of the oxygen index

1.6 Smoke development behaviour

DIN EN ISO 5659-2
2017-11

Plastics - Smoke generation - Part 2: Determination of optical density by a single-chamber test

1.7 Heat release

DIN EN ISO 1716
2018-10

Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value)

ISO 5660-1
2015-03

Reaction-to-fire tests - Heat release, smoke production and mass loss rate - Part 1: Heat release rate (cone calorimeter method) and smoke production rate (dynamic measurement)

ISO 5660-2
2002-12

Reaction-to-fire tests - Heat release, smoke production and mass loss rate - Part 2: Smoke production rate (dynamic measurement) *(withdrawn standard)*

IMO 2010 FTP Code -
Part 10, Appendix 2 /
IMO-Resolution
MSC. 307(88)
2010-12

Fire Test Procedures for Heat Release, Smoke Emission and Mass Loss Rate for Materials used for furniture and other Components of High-Speed Craft

1.8 Non-combustibility

IMO 2010 FTP Code
Part 1 /IMO-Resolution
MSC. 307(88)
2010-12

Non-combustibility test

1.9 Fire-resistance

ISO 834-1
1999-09
AND 1
2012-01

Fire-resistance tests - Elements of building construction - Part 1: General requirements section 9 – testing

EN 1363-1
2012

Fire resistance tests - Part 1: General Requirements

EN 1363-2
1999

Fire resistance tests - Part 2: Alternative and additional procedures

EN 1363-1 and EN 1363-2 in conjunction with:

*DIN EN 13501-2
2016-12*

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

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 45545-3
2013-08

Railway applications - Fire protection on railway vehicles - Part 3: Fire resistance requirements for fire barriers

DIN CEN/TS 45545-3 2009-01	Railway applications - Fire protection on railway vehicles - Part 3: Fire resistance requirements for fire barriers
DIN 4102-8 2003-10	Fire behaviour of building materials and components - Part 8: Small scale test furnace
IMO 2010 FTP Code Part 3 /IMO-Resolution MSC. 307(88) 2010-12	Test for „A“, „B“ and „F“ class divisions
IMO FTP Code Part 11 /IMO-Resolution MSC. 307(88) 2010-12	Test for fire-resisting divisions of high-speed craft Except for: Load bearing fire-resisting divisions

1.10 Circuit integrity maintenance of electric cable systems

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
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1.11 Fire Behaviour of Building Materials and Building Components

DIN 4102-2 1977-09	Fire behaviour of Building Materials and Building Components - Building Components; Definitions, Requirements and Tests
DIN 4102-7 1998-07	Fire behaviour of building materials and building components - Part 7: Roofing; definitions, requirements and testing
DIN V 4102-23 2009-08	Fire behaviour of building materials and building components - Part 23: Roofs - Application rules for test results for roofs tested to <i>DIN V ENV 1187 (here: test method 1), and DIN 4102-7 (withdrawn standard)</i>
DIN SPEC 4102-23 2018-07	Fire behaviour of building materials and building components - Part 23: Roofs - Application rules for test results for roofs tested to DIN CEN/TS 1187, test method 1, and DIN 4102-7

1.12 Fire resistance of battery systems

ECE-R 100 - Rev. 2 / UN Regulation No. 100 - Rev. 2 2013-07	Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train - Annex 8E Fire resistance Annex 8E
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1.13 Special tests on protective equipment

DIN EN 137 2007-01	Respiratory protective devices - Self-contained open-circuit compressed air breathing apparatus with full face mask - Requirements, testing, marking (here: <i>sections 6.11 and 7.4.13</i>)
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1.14 Electrical resistance

DIN EN ISO 284 2013-04 EN ISO 284 2012	Conveyor belts - Electrical conductivity - Specification and test method
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AS 1334.9 1982	Methods of testing conveyor and elevator belting Determination of electrical resistance of conveyor belting
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1.15 Spontaneous ignition behaviour

DIN EN 15188 2007-11 EN 15188 2007	Determination of the spontaneous ignition behaviour of dust accumulations
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2 Site Lathen (L)

2.1 Fire resistance

EN 1363-1 2012	Fire resistance tests - Part 1: General Requirements
EN 1363-2 1999	Fire resistance tests - Part 2: Alternative and additional procedures
EN 1363-1 an EN 1363-2 in conjunction with:	
DIN EN 13501-2 2016-12	<i>Fire classification of construction products and building elements - Part 2: Classification using data from fire resistance tests, excluding ventilation services</i>
DIN EN 45545-3 2013-08	Railway applications - Fire protection on railway vehicles - Part 3: Fire resistance requirements for fire barriers
DIN 4102-2 1977-09	Fire Behaviour of Building Materials and Building Components - Building Components; Definitions, Requirements and Tests
BS 476-20 1987	Fire tests on building materials and structures. Method for determination of the fire resistance of elements of construction (general principles)
BS 476-22 1987	Fire tests on building materials and structures. Methods for determination of the fire resistance of non-loadbearing elements of construction
UIC 564-2 Section 4 1991-01	Regulations relating to fire protection and firefighting measures in passenger carrying railway vehicles or assimilated vehicles used on international services - Section 4: Fire prevention - Special regulations
IMO 2010 FTP Code Part 3 /IMO-Resolution MSC. 307(88) 2010-12	Test for „A“, „B“ and „F“ class divisions

EAD 350022-01-1107

Kit for closure system for conveyor systems, here:

2.2.1 Resistance to fire

2.2.2 Mechanical durability of self-closing systems

2.2.3 Reaction to fire

Annex A Deviations and additions concerning fire resistance test

Annex B Additional provisions for testing mechanical durability of self-closing

in conjunction with:

*DIN EN 13501-2
2016-12*

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

2.3 Durability of performance and mechanical aspects

DIN EN 1191
2013-04
EN 1191
2012

Windows and doors - Resistance to repeated opening and closing - Test method

DIN EN 12605
2000-08
EN 12605
2000

Industrial, commercial and garage doors and gates - Mechanical aspects - Test methods

5.1.1 Evidence of operability of the door

5.1.2 Evidence of activities against unintentional disengagement or derailment

5.1.4 Evidence of activities against uncontrolled movements of vertically operating doors

5.1.5 Evidence of forces required for manual operation

5.1.6 Evidence of force and velocity for self-closing doors

5.2 Test of durability

(withdrawn standard)

DIN 4102-18
1991-03

Fire behaviour of building materials and components; fire barriers, verification of automatic closure (continuous performance test)

ETAG 003
2013-07

Guideline for European Technical Approval for internal partition
kits for use as non-loadbearing walls, here:

5.2.1 Reaction to fire

5.2.2 Resistance to fire

in conjunction with:

DIN EN 13501-2
2016-12

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

3 Tests on burning behavior of construction products, that do not require a declaration of a relevant harmonized technical specification (number 3, annex V, (EU) No. 305/2011)

Reaction to fire

EN ISO 1182 2010	Reaction to fire tests for products - Non-combustibility test	D
EN ISO 1716 2018	Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value)	D
EN ISO 11925-2 2010	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test	D
	in conjunction with	
	<i>EN 13501-1 2007+ A1: 2009</i>	<i>Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests</i>
	<i>EN 13501-6 2014</i>	<i>Fire classification of construction products and building elements - Part 6: Classification using data from reaction to fire tests on electric cables</i>

Resistance to fire

EN 1364-1 2015	Fire resistance tests for non-loadbearing elements - Part 1: Walls	D, L
EN 1364-2 2018	Fire resistance tests on non-loadbearing elements - Part 2: Ceilings	D
EN 1364-3 2014	Fire resistance tests for non-loadbearing elements - Part 3: Curtain walling - Full configuration (complete assembly)	L
EN 1364-4 2014	Fire resistance tests for non-loadbearing elements - Part 4: Curtain walling - Part configuration	L
EN 1366-7 2004	Fire resistance tests for service installations - Part 7: Conveyor systems and their closures	L

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

L

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

L

in conjunction with:

EN 13501-2 *Fire classification of construction products and building elements - Part 2: Classification using data from fire resistance tests, excluding ventilation services*
2016

External fire performance

CEN/TS 1187
2012-01

Test methods for external fire exposure to roofs (here: *test method 1*)

D

in conjunction with:

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

The requirements for a testing laboratory are be 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.

Abbreviations used:

AS	Australian Standard
CMVSS	Canada Transport - Motor Vehicle Safety Standard
IMO FTP	International Maritime Organization - Fire Test Procedures
FMVSS	Federal Motor Vehicle Safety Standard
UIC	Union Internationale des Chemins de Fer (International Union of Railways; based in Paris)