

Accreditation



The Deutsche Akkreditierungsstelle attests with this **Accreditation Certificate** that

PfB GmbH & Co. Prüfzentrum für Bauelemente KG
Lackermannweg 24, 83071 Stephanskirchen

operates a testing laboratory that fulfills the requirements according to DIN EN ISO/IEC 17025:2018 for those conformity assessment activities specified in detail in the annex listed below. 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 annex listed below.

D-PL-17012-01-01 Valid from: 09.06.2026

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 only applies in connection with the notice of 09.06.2026. It consists of this cover sheet, the reverse side of the cover sheet and the corresponding annex .

Registration number of the accreditation certificate: **D-PL-17012-01-00**

Berlin, 09.06.2026 Dipl.-Ing. Evelyn Körner | Head of Technical Unit

Translation issued: 09.06.2026

This accreditation certificate was issued by the Deutsche Akkreditierungsstelle GmbH (DAkkS). It is digital sealed and valid without signature. It reflects the status as indicated by the date of issue. The current status of any valid and surveyed 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

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-17012-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: 09.06.2026

Date of issue: 09.06.2026

This annex is part of the Accreditation Certificate D-PL-17012-01-00.

Holder of the Accreditation Certificate:

PfB GmbH & Co. Prüfbüro für Bauelemente KG
Lackermannweg 24, 83071 Stephanskirchen

with the location

PfB GmbH & Co. Prüfbüro für Bauelemente KG
Lackermannweg 24, 83071 Stephanskirchen

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.

Mechanical-technological, thermal-technological, acoustic testing for functionality and resistance, as well as testing for burglar resistance of windows and doors, gates and curtain walls, grille elements and closures

*This annex to the certificate was issued by the Deutsche Akkreditierungsstelle GmbH (DAkks) and is digitally sealed.
This annex to the certificate 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 valid and surveyed accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH (www.dakks.de).*

Abbreviations used: see last page

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Testing of construction products (system of assessment and verification of constancy of performance 3) within the scope of the Regulation (EU) No 305/2011 laying down harmonised conditions for the marketing of construction products (Construction Products Regulation)
Testing of fire resistance and sound insulation performances of construction products for which the reference to a relevant harmonized technical specification is not required (point 3. Annex V, (EU) No 305/2011)

The testing laboratory is permitted to use the standardised or equivalent test methods listed here with different issue statuses within the test areas marked with [Flex A] without the need for prior information and approval by DAkkS.

The testing laboratory has an up-to-date list of all test methods in the flexible scope of accreditation. The list is publicly available on the website of the testing laboratory.

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1 Testing of windows and doors, gates and curtain walls

1.1 Resistance to wind und rain

ift-RICHTLINIE MO-01 /1 2007-01	Wall connection of windows, Part 1 Method to determine the fitness for use of weatherproofing syste
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1.2 Resistance to wind load [Flex. A]

DIN EN 1932 2013-09	External blinds and shutters - Resistance to wind loads - Method of testing and performance criteria
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 12444 2001-02	Industrial, commercial and garage doors and gates - Resistance to wind load - Testing and calculation
DIN EN 13561 2015-08 + Corrigendum 1 2017-01	External blinds and awnings - Performance requirements including safety
ASTM E 1996 2023	Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes
ASTM E 1886 2019	Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials
AAMA 506 2023	Specifications for Impact and Cycle Testing of Fenestration Products

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AAMA 450 2020	Performance Rating Method for Mulled Combination Assemblies, Composite Units, and Other Mulled Fenestration Systems
PA/TAS 203 1994	Criteria for Testing Products Subject to Cyclic Wind Pressure

1.3 Water tightness, resistance to water penetration [Flex. A]

AAMA 501.1-05 2005-02	Standard Test Method for Water Penetration of Windows, Curtain Walls and Doors Using Dynamic Pressure
AAMA 501.2-15 2015-12	Quality Assurance and Diagnostic Water Leakage - Field Check of Installed Storefronts, Curtain Walls and Sloped Glazing Systems
ASTM E547-00 2016-12	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference
DIN EN 1027 2016-09	Windows and doors - Water tightness - Test method
DIN EN 12155 2000-10	Curtain walling - Watertightness - Laboratory test under static pressure
DIN EN 12489 2000-11	Industrial, commercial and garage doors and gates - Resistance to water penetration - Test methods
DIN EN 13030 2002-03	Ventilation for buildings - Terminals - Performance testing of louvers subjected to simulated rain
DIN EN 13050 2011-09	Curtain Walling - Watertightness - Laboratory test under dynamic condition of air pressure and water spray
DIN EN 13051 2001-11	Curtain walling - Watertightness - Site test
PfB- Hochwasserrichtlinie 2024-05	Flood-resistant closures – requirements, tests, classification

* excluding the Flex A

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1.4 Air permeability [Flex A]

ASTM E 283 2004	Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen (<i>withdrawn Standard</i>)
ASTM E 330/E330M 2014	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference (<i>withdrawn Standard</i>)
ASTM E 331 2000	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference (<i>withdrawn Standard</i>)
CSA A440S1:19 2019	Canadian Supplement to AAMA/WDMA/ CSA 101/1.S.2/ A440-17, North American Fenestration Standard/ Specification for windows, doors, and skylights
CWCT TN 44 2004	Whole building air leakage tests (7 pp)
DIN EN 1026 2016-09	Windows and doors - Air permeability - Test method
DIN EN 12153 2000-09	Curtain walling - Air permeability - Test methods (<i>withdrawn Standard</i>)
DIN EN 12427 2000-11	Industrial, commercial and garage doors and gates - Air permeability - Test method
DIN EN ISO 9972 2018-12	Thermal performance of buildings - Determination of air permeability of buildings - Fan pressurization method

1.5 Impact resistance [Flex A]

CWCT TN 66 2010	Safety and fragility of overhead glazing: guidance on specification (11 pp)
CWCT TN 67 2010	Safety and fragility of overhead glazing: testing and assessment (5 pp)

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CWCT TN 75 2012	Impact performance of building envelopes: guidance on specification (10 pp)
CWCT TN 76 2012	Impact performance of building envelopes: method for impact testing cladding panels (6 pp)
DIN EN 13049 2003-08	Windows - Soft and heavy body impact - Test method, safety requirements and classification
DIN EN 14019 2016-11	Curtain Walling - Impact resistance - Performance requirements
DIN EN 16005 2013-01	Power operated pedestrian doorsets - Safety in use - Requirements and test methods
DIN 18008-4 2013-07	Glass in Building - Design and construction rules - Part 4: Additional requirements for barrier glazing Annex A: Verification of the impact resistance of glazings by component test
DIN 18008-5 2013-07	Glass in Building - Design and construction rules - Part 5: Additional requirements for walk-on glazing Annex A: Verification of the impact resistance and the residual carrying capacity by component test
PA/TAS 201 1994	Impact Test Procedures
PA/TAS 202 1994	Criteria for Testing Impact & Non-impact Resistant Building Envelope Components Using Uniform Static Air Pressure

1.6 Load-bearing capacity of safety devices/ mechanical characteristics [Flex A]

DIN EN 947 1999-05	Hinged or pivoted doors - Determination of the resistance to vertical load
DIN EN 948 1999-11	Hinged or pivoted doors - Determination of the resistance to static torsion
DIN EN 949 1999-05	Windows and curtain walling, doors, blinds and shutters - Determination of the resistance to soft and heavy body impact for doors

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DIN EN 950 1999-11	Door leaves - Determination of the resistance to hard body impact
DIN EN 951 1999-05	Door leaves - Method for measurement of height, width, thickness and squareness
DIN EN 952 1999-11	Door leaves - General and local flatness - Measurement 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

1.7 Sound insulation [Flex A]

DIN EN ISO 717-1 2021-05	Acoustics - Rating of sound insulation in buildings and of building elements - Part 1: Airborne sound insulation
DIN EN ISO 3382-2 2008-09 + Corrigendum 1 2009-09	Acoustics - Measurement of room acoustic parameters - Part 2: Reverberation time in ordinary rooms
DIN EN ISO 10140-2 2021-09	Acoustics - Laboratory measurement of sound insulation of building elements - Part 2: Measurement of airborne sound insulation
DIN EN ISO 10140-4 2021-09	Acoustics - Laboratory measurement of sound insulation of building elements - Part 4: Measurement procedures and requirements
DIN EN ISO 10848 -1 2018-02	Acoustics - Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms - Part 1: Frame document <u>here only: Airborne sound excitation</u>
DIN EN ISO 10848 -2 2018-02	Acoustics - Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms - Part 2: Application to Type B elements when the junction has a small influence <u>here only: Airborne sound excitation</u>
DIN EN ISO 16283-1 2018-04	Acoustics - Field measurement of sound insulation in buildings and of building elements - Part 1: Airborne sound insulation

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DIN EN ISO 16283-3 2016-09	Acoustics - Field measurement of sound insulation in buildings and of building elements - Part 3: Façade sound insulation
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1.8 Thermal insulation [Flex A]

DIN EN 673 2011-04	Glass in building - Determination of thermal transmittance (U value) - Calculation method
DIN EN 12412-2 2003-11	Thermal performance of windows, doors and shutters - Determination of thermal transmittance by hot box method - Part 2: Frames
DIN EN 12412-4 2003-11	Thermal performance of windows, doors and shutters - Determination of thermal transmittance by hot box method - Part 4: Roller shutter boxes
DIN EN 12428 2013-04	Industrial, commercial and garage doors - Thermal transmittance - Requirements for the calculation
DIN EN ISO 6946 2018-03	Building components and building elements - Thermal resistance and thermal transmittance - Calculation method
DIN EN ISO 10077-1 2020-10	Thermal performance of windows, doors and shutters - Calculation of thermal transmittance - Part 1: General <u>here only</u> : Section 5: Description of the method
DIN EN ISO 10077-2 2018-01	Thermal performance of windows, doors and shutters - Calculation of thermal transmittance - Part 2: Numerical method for frames
DIN EN ISO 10211 2018-03	Thermal bridges in building construction - Heat flows and surface temperatures - Detailed calculations
DIN EN ISO 10456 2010-05	Building materials and products - Hygrothermal properties - Tabulated design values and procedures for determining declared and design thermal values
DIN EN ISO 12567-1 2010-12	Thermal performance of windows and doors - Determination of thermal transmittance by the hot-box method - Part 1: Complete windows and doors
DIN EN ISO 12567-2 2006-03	Thermal performance of windows and doors - Determination of thermal transmittance by hot box method - Part 2: Roof windows and other projecting windows
DIN EN ISO 12631 2018-01	Thermal performance of curtain walling - Calculation of thermal transmittance

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ÖNORM B 6400-2
2020-03

External thermal insulation composite systems (ETICS) — Part 2:
Products, tests and requirements

1.9 Operating forces [Flex A]

ASTM E 2068
2022-10

Standard Test Method for Determination of Operating Force of Sliding
Windows and Doors

DIN EN 12046-1
2020-11

Operating forces - Test method - Part 1: Windows

DIN EN 12046-2
2000-12

Operating forces - Test method - Part 2: Doors

DIN EN 12217
2015-07

Doors - Operating forces - Requirements and classification

DIN EN 13115
2020-11

Windows - Classification of mechanical properties - Racking, torsion and
operating forces

1.10 Burglar resistance [Flex A]

ASTM F588-17
2023-05

Standard Test Methods for Measuring the Forced Entry Resistance of
Window Assemblies, Excluding Glazing Impact

DIN 18104-1
2017-08

Mechanical security equipment - Part 1: Burglar resistant products for
port installation for windows and doors - Requirements and test methods

DIN 18104-2
2013-05

Mechanical security devices - Part 2: Additional burglar resistant
products for windows and doors - Requirements and test methods
(*withdrawn standard*)

DIN EN 1627
2021-11

Pedestrian doorsets, windows, curtain walling, grilles and shutters -
Burglar resistance - Requirements and classification

DIN EN 1628
2021-11

Pedestrian doorsets, windows, curtain walling, grilles and shutters -
Burglar resistance - Requirements and classification

DIN EN 1629
2021-11

Pedestrian doorsets, windows, curtain walling, grilles and shutters -
Burglar resistance - Test method for the determination of resistance
under dynamic loading

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DIN EN 1630 2021-11	Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance to manual burglary attempts
DIN V ENV 1627 1999-04	Windows, doors, shutters - Burglar resistance - Requirements and classification (<i>withdrawn standard</i>)
DIN V ENV 1628 1999-04	Windows, doors, shutters - Burglar resistance - Test method for the determination of resistance under static loading (<i>withdrawn standard</i>)
DIN V ENV 1629 1999-04	Windows, doors, shutters - Burglar resistance - Test method for the determination of resistance under dynamic loading (<i>withdrawn standard</i>)
DIN V ENV 1630 1999-04	Windows, doors, shutters - Burglar resistance - Test method for the determination of resistance to manual burglary attempts (<i>withdrawn standard</i>)

1.11 Corrosion [Flex A]

DIN EN 1670 2007-06 + Corrigendum 1 2008-07	Building hardware - Corrosion resistance - Requirements and test methods
DIN EN ISO 6988 1997-03	Metallic and other non-organic coatings - Sulfur dioxide test with general condensation of moisture (<i>withdrawn standard</i>)
DIN EN ISO 9227 2017-07	Corrosion tests in artificial atmospheres - Salt spray tests (<i>withdrawn standard</i>)

1.12 Building hardware [Flex A]

DIN 18251-1 2002-07	Locks - Mortice locks - Part 1: Mortice locks for rebated doors (<i>withdrawn standard</i>)
DIN 18251-2 2002-11	Locks - Mortise locks - Part 2: Mortise locks for tube frame doors (<i>withdrawn standard</i>)
DIN 18251-3 2002-11	Locks - Mortise locks - Part 3: Mortise locks as multipoint locks (<i>withdrawn standard</i>)

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DIN 18257 2015-06	Building hardware - Security plates - Definitions, measurements, requirements, marking Section 8: Test procedures <i>(withdrawn standard)</i>
DIN 18273 1997-12	Building hardware - Lever handle units for fire doors and smoke control doors - Concepts and definitions, dimensions, requirements and testing <i>(withdrawn standard)</i>
DIN 18273 2015-07	Building hardware - Lever handle units for fire doors and smoke control doors - Terms and definitions, dimensions, requirements, testing and marking
E DIN 18273 2022-10	Building hardware - Mechanical and mechatronic lever handle sets for fire resistance doors, for fire resistance and smoke control doors or for smoke control doors - Terms and definitions, dimensions, requirements, marking <i>(withdrawn standard)</i>
DIN EN 179 2008-04	Building hardware - Emergency exit devices operated by a lever handle or push pad, for use on escape routes - Requirements and test methods
DIN EN 1125 2008-04	Building hardware - Panic exit devices operated by a horizontal bar, for use on escape routes - Requirements and test methods
DIN EN 1303 2015-08	Building hardware - Cylinders for locks - Requirements and test methods
DIN EN 1906 2012-12	Building hardware - Lever handles and knob furniture - Requirements and test methods
DIN EN 12209 2016-10	Building hardware - Mechanically operated locks and locking plates - Requirements and test methods
DIN EN 14846 2008-11	Building hardware - Locks and latches - Electromechanically operated locks and striking plates - Requirements and test methods
E DIN EN 15685 2019-10	Building hardware - Requirements and test methods - Multipoint locks, latches and locking plates - Characteristics and test methods
DIN EN 16867 2022-02	Building hardware - Mechatronic door furniture - Requirements and test methods

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1.13 Smoke control [Flex A]

DIN 18095-2 1991-03	Smoke control doors; type testing for durability and leakage
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1.14 Continuous performance [Flex A]

DIN EN 1191 2013-04	Windows and doors - Resistance to repeated opening and closing - Test method
DIN 4102-18 1991-03	Fire behaviour of building materials and components; fire barriers, verification of automatic closure (continuous performance test)

1.15 Climate [Flex A]

DIN EN 1121 2000-09	Doors - Behaviour between two different climates - Test method
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1.16 Mechanical aspects/safety in use [Flex A]

DIN EN 12453 2022-08	Industrial, commercial and garage doors and gates - Safety in use of power operated doors - Requirements and test methods
DIN EN 12604 2021-05	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 <i>(withdrawn standard)</i>
DIN EN 13659 2015-07	Shutters and external venetian blinds - Performance requirements including safety

1.17 International standards [Flex A]

AAMA/WDMA/CSA 101/I.S.2/A440:2022- 12-01	North American Fenestration Standard/Specification for windows, doors, and skylights
AAMA/WDMA/CSA 101/I.S.2/A440 NAFS 2011	North American Fenestration Standard/Specification for windows, doors, and skylights

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CSA Plus A440H-
14:2014

User guide to AAMA/WDMA/CSA 101/I.S.2/A440 NAFS 2011 - North
American Fenestration Standard/Specification for windows, doors, and
skylights

2 Testing of construction products (system of assessment and verification of constancy of performance 3) under Regulation (EU) No 305/2011 laying down harmonized conditions for the marketing of construction products (Construction Products Regulation)

Decision of the Commission	System ¹⁾	Technical specification
1996/580/EC 2001/596/EC Construction kits for curtain walls	3	EN 13830:2003 Curtain walling - Product standard
1998/436/EC 2001/596/EC Roofing, skylights, roof windows and accessories	3	EN 14351-1:2006+A2:2016 Windows and doors - Product standard, performance characteristics - Part 1: Windows and external pedestrian doorsets
1999/93/EC 2011/246/EU Doors, windows, shutters, roller shutters, gates and associated parts	3	EN 13241:2003+A2:2016 Industrial, commercial, garage doors and gates - Product standard, performance characteristics
		EN 14351-1:2006+A2:2016 Windows and doors - Product standard, performance characteristics - Part 1: Windows and external pedestrian doorsets
		EN 14351-2:2018 ²⁾ Windows and doors - Product standard, performance characteristics - Part 2: Internal pedestrian doorsets
		EN 16361:2013+A1:2016 ²⁾ Power operated pedestrian doors - Product standard, performance characteristics - Pedestrian doorsets, other than swing type, initially designed for installation with power operation

¹⁾ System for assessment and verification of consistency of performance

²⁾ Harmonization in preparation, intended system as indicated

The requirements according to article 46 of Regulation (EU) 2024/3110 for a testing laboratory according to Annex V of the Regulation (EU) No. 305/2011 are fulfilled. 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.

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

3 Testing of resistance to fire and sound insulation properties of construction products for which the reference to a relevant harmonized technical specification is not required (point 3 of Annex V, (EU) No 305/2011)

3.1 Resistance to fire

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+AC:2006 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

in conjunction with:

*EN 13501-2
2016*

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

3.2 Acoustic performance

EN ISO 10140-1
2021 Acoustics - Laboratory measurement of sound insulation of building elements - Part 1: Application rules for specific products

The requirements according to article 46 of Regulation (EU) 2024/3110 for a testing laboratory according to Annex V of the Regulation (EU) No. 305/2011 are fulfilled.

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Abbreviations used:

AAMA	American Architectural Manufacturers Association
ASTM	American Society for Testing and Materials
CWCT TN	Centre for window and cladding technology – Technical Note
DIN	Deutsches Institut für Normung e.V. (German institute for standardization)
EN	Europäische Norm (European Standard)
IEC	International Electrotechnical Commission
ift	Institut für Fenstertechnik
ISO	International Organization for Standardization
NAFS	North American Fenestration Standard
ÖNORM	Austrian Standard
PA/TAS	Testing application standard
PfB	Prüfzentrum für Bauelemente
WDMA	Window and Door Manufacturers Association (Herkunft: Amerika)

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