

## Deutsche Akkreditierungsstelle

# Annex to the Accreditation Certificate D-PL-11030-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 19.02.2025

Date of issue: 19.02.2025

Holder of accreditation certificate:

#### SCHÜCO International KG Karolinenstraße 1-15, 33609 Bielefeld

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-11030-01-01 D-PL-11030-01-02

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.



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# Annex to the Partial Accreditation Certificate D-PL-11030-01-01 according to DIN EN ISO/IEC 17025:2018

**Valid from: 19.02.2025**Date of issue: 19.02.2025

This annex is a part of the accreditation certificate D-PL-11030-01-00.

Holder of partial accreditation certificate:

SCHÜCO International KG Karolinenstraße 1-15, 33609 Bielefeld

with the location

SCHÜCO International KG Technology Center Karolinenstraße 1-15, 33609 Bielefeld

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, thermotechnical and building acoustics tests on windows, facades, doors and accessories as well as environmental simulation tests

Within the given testing field (see chapter headings), the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the following:

1) the free choice of standard or equivalent testing methods (including revisions)

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Abbreviations used: see last page



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

#### Content Acoustics – Sound insulation of components and building elements (laboratory conditions and on 2. 3. 4. 5. 6. Environmental simulation tests by methods of exposure to laboratory light sources of plastic 8. Thermal performance tests (Determination of thermal transmittance) of windows and doors...... 7 1. Acoustics - Sound insulation of components and building elements (laboratory conditions and on the building site **DIN EN ISO 717-1** Acoustics – Rating of sound insulation in buildings and of building elements - Part 1: Airborne sound insulation 2021-05 **DIN EN ISO 3382-2** Acoustics - Measurement of room acoustic parameters - Part 2: 2008-09 Reverberation time in ordinary rooms (ISO 3382-2:2008) **DIN EN ISO 10052** Acoustics – Field measurements of airborne and impact sound 2021-11 insulation and of service equipment sound – Survey method (only noises from building service systems in conjunction with DIN 4109-4:2016-07) **DIN EN ISO 10140-1** Acoustics – Laboratory measurement of sound insulation of building 2021-09 elements - Part 1: Application rules for specific products (only airborne sound insulation) **DIN EN ISO 10140-2** Acoustics – Laboratory measurement of sound insulation of building 2021-09 elements – Part 2: Measurement of airborne sound insulation **DIN EN ISO 10140-4** Acoustics – Laboratory measurement of sound insulation of building 2021-09 elements – Part 4: Measurement procedures and requirements

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(only airborne sound insulation)



DIN EN ISO 10140-5 Acoustics – Laboratory measurement of sound insulation of building

2021-09 elements – Part 5: Requirements for test facilities and equipment

(only airborne sound insulation)

DIN EN ISO 10848-1 Acoustics – Laboratory and field measurement of flanking

2018-02 transmission for airborne, impact and building service equipment

sound between adjoining rooms – Part 1: Frame document

(only flanking level differences  $D_{n, f}$ )

DIN EN ISO 10848-2 Acoustics – Laboratory and field measurement of flanking

2018-02 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

DIN EN ISO 10848-3 Acoustics – Laboratory and field measurement of flanking

2018-02 transmission for airborne, impact and building service equipment

sound between adjoining rooms – Part 3: Application to Type B

elements when the junction has a substantial influence

DIN EN ISO 16283-1 Acoustics – Field measurement of sound insulation in buildings and

2018-04 of building elements – Part 1: Airborne sound insulation

DIN EN ISO 16283-3 Acoustics – Field measurement of sound insulation in buildings and

2016-09 of building elements – Part 3: Facade sound insulation

ASTM E 413 Classification for Rating Sound Insulation

2016-04

ASTM E 1414/E1414M-16 Standard Test Method for Airborne Sound Attenuation Between

2016-10 Rooms Sharing a Common Ceiling Plenum

#### 2. Mechanical performance of metal profiles and components

DIN EN 14024 Metal profiles with thermal barrier – Mechanical performance –

2005-01 Requirements, proof and tests for assessment

5.3 Transverse tensile strength Q

5.4 Shear strength T and shear spring stiffness c

5.5.2 Ageing, method 1 5.6 Characteristic values

DIN EN 16758 Curtain walling - Determination of the strength of shear connections -

2021-11 Test method and requirements;



#### 3. Leak tests (air, wind, watertightness) of windows and doors

DIN EN 1026 2016-09	Windows and doors – Air permeability – Test method
DIN EN 1027 2016-09	Windows and doors – Watertightness – Test method
DIN EN 12152 2002-08	Curtain walling – Air permeability – Performance requirements and classification
DIN EN 12153 2000-09	Curtain walling – Air permeability – Test methods
DIN EN 12154 2000-06	Curtain walling – Watertightness – Performance requirements and classification
DIN EN 12155 2000-10	Curtain walling – Watertightness – Laboratory test under static pressure
DIN EN 12179 2000-09	Curtain walling – Resistance to wind load – Test methods
DIN EN 12207 2017-03	Windows and doors – Air permeability – Classification
DIN EN 12208 2000-06	Windows and doors – Watertightness – Classification
DIN EN 12210 2016-09	Windows and doors – Resistance to wind load –Classification
DIN EN 12211 2016-10	Windows and doors – Resistance to wind load – Test method
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
DIN EN 13116 2001-11	Curtain walling – Resistance to wind load – Performance requirements



ASTM E 283 Standard Test Method for Determining Rate of Air Leakage Through 2004-03

Exterior Windows, Curtain Walls, and Doors Under Specified Pressure

Differences Across the Specimen

Standard Test Method for Structural Performance of Exterior ASTM E 330/E 330M

2014-01 Windows, Doors, Skylights and Curtain Walls by Uniform Static Air

Pressure Difference

ASTM E 331 Standard Test Method for Water Penetration of Exterior Windows, 2000-12

Skylights, Doors and Curtain Walls by Uniform Static Air Pressure

Difference

ASTM E 547 Standard Test Method for Water Penetration of Exterior Windows,

Skylights, Doors and Curtain Walls by Cyclic Static Air Pressure 2000-12

Difference

**AAMA 501.1** Standard Test Method for Water Penetration of Windows, Curtain

2017-05 Walls and Doors Using Dynamic Pressure

**AAMA 501.4** Recommended Static Testing Method for Evaluating Curtain Wall and

2009-11 Storefront Systems Subjected to Seismic and Wind Induced Interstory

Drift

**AAMA 501.5** Test Method for Thermal Cycling of Exterior Walls

2007-04

AS/NZS 4420.1 Windows, external glazed, timber and composite doors – Methods of

2016-12 Test - Part 1: Test sequence, sampling and test methods

4. Service life tests of windows and doors

**DIN EN 1191** Windows and doors - Resistance to repeated opening and closing -

2013-04 Test method

5. Mechanical tests of the resistance of windows and doors

**DIN EN 947** Hinged or pivoted doors – Determination of the resistance to vertical

1999-05

**DIN EN 948** Hinged or pivoted doors – Determination of the resistance to static

1999-11 torsion

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DIN EN 12046-1 Operating forces – Test method – Part 1: Windows

2020-11

DIN EN 12046-2 Operating forces – Test method – Part 2: Doors

2000-12

DIN EN 13049 Windows – Soft and heavy body impact – Test method, safety

2003-08 requirements and classification

DIN EN 14608 Windows – Determination of the resistance to racking

2004-09

DIN EN 14609 Windows – Determination of the resistance to static torsion

2004-09

DIN EN 14019 Curtain walling – Impact resistance – Performance requirements

2016-11

#### 6. Security tests (burglar resistance) of windows and doors

DIN EN 1627 Pedestrian doorsets, windows, curtain walling, grilles and shutters –

2021-11 Burglar resistance – Requirements and classification

DIN EN 1628 Pedestrian doorsets, windows, curtain walling, grilles and shutters –

2021-11 Burglar resistance – Test method for the determination of resistance

under static loading

DIN EN 1629 Pedestrian doorsets, windows, curtain walling, grilles and shutters –

2021-11 Burglar resistance – Test method for the determination of resistance

under dynamic loading

DIN EN 1630 Pedestrian doorsets, windows, curtain walling, grilles and shutters –

2021-11 Burglar resistance – Test method for the determination of resistance

to manual burglary attempts

DIN 18008-4 Glass in building – Design and construction rules – Part 4: Additional

2013-07 requirements for barrier glazing

# 7. Environmental simulation tests by methods of exposure to laboratory light sources of plastic elements, instruments and building components

DIN EN ISO 4892-2 Plastics - Methods of exposure to laboratory light sources - Part 2:

2021-11 Xenon-arc lamps (ISO 4892-2:2013 + Amd 1:2021)

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



DIN EN ISO 4892-3 Plastics – Methods of exposure to laboratory light sources –

2016-10 Part 3: Fluorescent UV lamps

DIN EN ISO 6270-2 Paints and varnishes – Determination of resistance to humidity –

2018-04 Frij0524

Part 2: Procedure for exposing test specimens in condensation-water

atmospheres

DIN EN ISO 9227 Corrosion tests in artificial atmospheres – Salt spray tests

2023-03

DIN EN ISO 16474-3 Paints and varnishes – Methods of exposure to laboratory light sources

2021-04

2021-04

Part 3: Fluorescent UV lamps, Type 1A

DIN EN 1121 Doors – Behaviour between two different climates

2000-09

DIN EN 13420 Windows – Behaviour between different climates – Test method

2011-06

DIN EN 60529 Degrees of protection provided by enclosures (IP Code)

2014-09

DIN 53508 Testing of rubber – Accelerated ageing – Test in accordance with 4.1.1

2000-03

8. Thermal performance tests (Determination of thermal transmittance) of windows and doors

DIN EN ISO 12567-1 Thermal performance of windows and doors – Determination of

2010-12 thermal transmittance by the hot-box method – Part 1: Complete

windows and doors

DIN EN ISO 12567-2 Thermal performance of windows and doors – Determination of

2006-03 thermal transmittance by the hot-box method – Part 2: Roof windows

and other projecting windows

DIN EN 12412-2 Thermal performance of windows, doors and shutters – Determination

2003-11 of thermal transmittance by hot box method –

Part 2: Frames



#### Abbreviations used:

AAMA American Architectural Manufacturers Association

AS/NZS Australian/New Zealand Standard

ASTM American Society for Testing and Materials

DIN Deutsches Institut für Normung e.V. – German institute for standardization

EN Europäische Norm – European Standard
 IEC International Electrotechnical Commission
 ISO International Organization for Standardisation



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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:

#### electromagnetic compatibility

Within the given testing field marked with \*), the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the following:

1) the free choice of standard or equivalent testing methods.

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#### 1. Electromagnetic compatibility\*

Technic al field	Standard or in-house method / revision level	Title of standard or in-house method	Test method limitations		
	Basic standards				
EMC	DIN EN 61000-4-2 2009-12	Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test (IEC 61000-4-2:2008); German version EN 61000-4-2:2009 EN 61000-4-2:2009			
	DIN EN 61000-4-4 2013-04	Electromagnetic compatibility (EMC) – Part 4-4: Testing and measurement techniques – Electrical fast transient/burst immunity test (IEC 61000-4-4:2012); German version EN 61000-4-4:2012	Restriction: No testing on signal and control connections using a conductive tape or metal foil		
	DIN EN 61000-4-5 2019-03	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test (IEC 61000-4-5:2014 + A1:2017); German version EN 61000-4-5:2014 + A1:2017	Restriction: No three-phase networks Single-phase networks only with 230V, ≤ 16A and 50Hz		
	DIN EN 61000-4-6 2014-08	Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields (IEC 61000-4-6:2008); German version EN 61000-4-6:2009	(Restriction: No multi-phase networks, no tests using a current clamp		



Technic al field	Standard or in-house method / revision level	Title of standard or in-house method	Test method limitations
	DIN EN 61000-4-11 2021-10	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase (IEC 61000- 4-11:2020 + COR1:2020); German version EN IEC 61000-4-11:2020 + AC:2020	Restriction: Only single-phase networks with 230 V, ≤ 16 A and 50 Hz No voltage fluctuations
	DIN EN 61000-4-29 2001-10  Electromagnetic compatibility (EMC) – Part 4-29: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests (IEG 61000-4-29:2000); German version EN 61000-4-29:2000	Restriction: Tests with ≤ 16 A	
		Generic standards	
ЕМС	DIN EN 61000-6-1 2019-11	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity standard for residential, commercial and light-industrial environments (IEC 61000- 6-1:2016); German version EN IEC 61000- 6-1:2019	Restriction: No tests in accordance with: DIN EN 61000-4-3 DIN EN 61000-4-8 DIN EN 61000-4-20
	DIN EN 61000-6-2 2019-11	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments (IEC 61000-6-2:2016); German version EN IEC 61000-6-2:2019	Restriction: No tests in accordance with: DIN EN 61000-4-3 DIN EN 61000-4-8 DIN EN 61000-4-20



Technic al field	Standard or in-house method / revision level	Title of standard or in-house method	Test method limitations
EMC	DIN EN 61000-6-3 2022-06	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments (IEC 61000-6-3:2020); German version EN IEC 61000-6-3:2021	Restriction: No testing of radiated interference emission No tests in accordance with: DIN EN 61000-3-3 DIN EN 61000-3-11 DIN EN 61000-4-20
	DIN EN 61000-6-4 2020-09	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments (IEC 61000-6-4:2018); German version EN IEC 61000-6-4:2019	Restriction: No testing of radiated interference emission No tests in accordance with: DIN EN 61000-3-3 DIN EN 61000-3-11
	DIN EN 61000-6-7 2015-05	Electromagnetic compatibility (EMC) — Part 6-7: Generic standards — Immunity requirements for equipment intended to perform functions in a safety-related system (functional safety) in industrial locations (IEC 61000-6-7:2014); German version EN 61000-6-7:2015	Restriction: No tests in accordance with: DIN EN 61000-4-3, DIN EN 61000-4-16, DIN EN 61000-4-34



Technic al field	Standard or in-house method / revision level	Title of standard or in-house method	Test method limitations
		Product family standard	
ЕМС	DIN EN 55016-2-1 2019-11	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements (CISPR 16-2-1:2014 + A1:2017); German version EN 55016-2-1:2014 + A1:2017	Restriction: Only single-phase networks with 230 V, ≤ 16 A and 50 Hz, as well as low- voltage DC networks with ≤ 16 A
	DIN EN 55011 2017-03 (withdrawn)	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement (CISPR 11:2015, modified); German version EN 55011:2016	Restriction:  No testing of radiated interference emission  Only single-phase networks with 230  V, ≤ 16 A and 50 Hz, as well as low-voltage DC networks with ≤ 16 A
	DIN EN 55011 2022-05	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement (CISPR 11:2015, modified + A1:2016 + A2:2019); German version EN 55011:2016 + A1:2017 + A11:2020 + A2:2021	Restriction:  No testing of radiated interference emission  Only single-phase networks with 230 V, ≤ 16 A and 50 Hz, as well as low-voltage DC networks with ≤ 16 A



Technic al field	Standard or in-house method / revision level	Title of standard or in-house method	Test method limitations
ЕМС	DIN EN 55014-1 2018-08 (withdrawn)	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission (CISPR 14-1:2016 + COR1:2016); German version EN 55014- 1:2017	Restriction:  No testing of radiated interference emission  Only single-phase networks with 230  V, ≤ 16 A and 50 Hz, as well as low-voltage DC networks with ≤ 16 A
	DIN EN 55014-2 2022-10	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard (CISPR 14-2:2020); German version EN IEC 55014-2:2021	Restriction: No tests in accordance with: DIN EN 61000-4-3, DIN EN 61000-4-22
	DIN EN 55022 2011-12	Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement (CISPR 22:2008, modified); German version EN 55022:2010	Restriction:  No testing of radiated interference emission  Only single-phase networks with 230 V, ≤ 16 A and 50 Hz, as well as low-voltage DC networks with ≤ 16 A
	DIN EN 55024 2016-05	Information technology equipment – Immunity characteristics – Limits and methods of measurement (CISPR 24:2010); German version EN 55024:2010	Restriction: No tests in accordance with: DIN EN 61000-4-3 DIN EN 61000-4-8



Technic al field	Standard or in-house method / revision level	Title of standard or in-house method	Test method limitations
	DIN EN 55032 2016-02	Electromagnetic compatibility of multimedia equipment - Emission requirements (CISPR 32:2015 + COR1:2016 + A1:2019); German version EN 55032:2015 + AC:2016 + A11:2020 + A1:2020	Restriction: Tests of radiated disturbance emission only single-phase 230 V networks less than or equal to 16 A and 50 Hz and low-voltage DC networks less than or equal to 16 A
	DIN EN 55035 2018-04	Electromagnetic compatibility of multimedia equipment – Immunity requirements (CISPR 35:2016, modified); German version EN 55035:2017	Restriction: No tests in accordance with: DIN EN 61000-4-3 DIN EN 61000-4-8 DIN EN 61000-4-20 DIN EN 61000-4-21
	DIN EN 60335-1 2020-08	Household and similar electrical appliances - Safety - Part 1: General requirements (IEC 60335-1:2010, modified + COR1:2010 + COR2:2011 + A1:2013, modified + A1:2013/COR1:2014 + A2:2016 + A2:2016/COR1:2016); German version EN 60335-1:2012 + AC:2014 + A11:2014 + A13:2017 + A1:2019 + A2:2019 + A14:2019	Restriction: Parts 19.11.4.1, 19.11.4.3 to 19.11.4.6 and 19.11.4.8 are applicable
EMC	DIN EN 60335-2-103 2014-12	Household and similar electrical appliances – Safety Part 2-103: Particular requirements for drives for gates, doors and windows (IEC 60335-2-103:2006, modified + A1:2010, modified); German version EN 60335-2-103:2015	



#### **Abbreviations used:**

DIN Deutsches Institut für Normung e.V. – German institute for standardization

EN Europäische Norm – European Standard
 IEC International Electrotechnical Commission
 ISO International Organization for Standardisation