Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-17999-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: **09.12.2024**

Date of issue: 04.04.2025

This annex is a part of the accreditation certificate D-PL-17999-01-00.

Holder of partial accreditation certificate:

Institut für Kalk- und Mörtelforschung e.V.
Annastraße 67-71, 50968 Köln

with the location

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

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

Tests in the following areas:
Physical and physico-chemical testing of lime, aggregates and mortar, testing of external thermal insulation composite systems (ETICS)

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

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

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

Flexible scope of accreditation:
The testing laboratory is permitted to use the standardized test methods listed here or equivalent to them (except in-house methods) with different issue statuses within the test scopes 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 within the flexible scope of accreditation. The list is publicly available on the website of the testing laboratory.

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1 Physical and physico-chemical testing of lime, aggregates and mortar [Flex. A]

DIN ISO 9277 2014-01	Determination of the specific surface area of solids by gas adsorption - BET method
DIN EN ISO 15587-1 2002-07	Water quality - Digestion for the determination of selected elements in water - Part 1: Aqua regia digestion *Modification: here in aggregates and mortar*
DIN EN 196-1 2016-11	Methods of testing cement - Part 1: Determination of strength
DIN EN 196-2 2013-10	Method of testing cement - Part 2: Chemical analysis of cement *here:* 4.4.2 - Determination of sulphate 4.5.12 - Determination of calcium oxide with EGTA (reference method) 4.5.13 - Determination of magnesium oxide with DCTA (reference method) 4.5.14 - Determination of calcium oxide with EDTA (alternative method) Determination of magnesium oxide with EDTA (alternative method) 4.5.16 - Determination of the chloride content 4.5.17 - Determination of carbon dioxide content (reference method) 4.5.19.6.2 - Equivalent sodium oxide content
DIN EN 196-3 2017-03	Methods of testing cement - Part 3: Determination of setting times and soundness *here:* 6 - Determination of solidification times 7 - Determination of space stability
DIN EN 196-6 2019-03	Methods of testing cement - Part 6: Determination of fineness
DIN EN 413-2 2016-12	Masonry cement - Part 2: Test methods *here:* 4 - Determining the setting time 5 - Production of the standard mortar 5.2 – Determining the consistency of fresh mortar using the stiffness meter (reference method) 6 - Determination of the water retention capacity 7 - Determination of the air content

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DIN EN 772-21 2011-07	Methods of test for masonry units - Part 21: Determination of water absorption of clay and calcium silicate masonry units by cold water absorption
DIN EN 933-9 2022-04	Tests for geometrical properties of aggregates - Part 9: Assessment of fines - Methylene blue test
DIN EN 933-10 2009-10	Tests for geometrical properties of aggregates - Part 10: Assessment of fines - Grading of filler aggregates (air jet sieving)

DIN EN 1015-1 2007-05	Methods of test for mortar for masonry - Part 1: Determination of particle size distribution (by sieve analysis)
DIN EN 1015-3 2007-05	Methods of test for mortar for masonry - Part 3: Determination of consistence of fresh mortar (by flow table)
DIN EN 1015-4 1998-12	Methods of test for mortar for masonry - Part 4: Determination of consistence of fresh mortar (by plunger penetration)
DIN EN 1015-6 2007-05	Methods of test for mortar for masonry - Part 6: Determination of bulk density of fresh mortar
DIN EN 1015-7 1998-12	Methods of test for mortar for masonry - Part 7: Determination of air content of fresh mortar
DIN EN 1015-9 2007-05	Methods of test for mortar for masonry - Part 9: Determination of workable life and correction time of fresh mortar
DIN EN 1015-10 2007-05	Methods of test for mortar for masonry - Part 10: Determination of dry bulk density of hardened mortar
DIN EN 1015-11 2020-01	Methods of test for mortar for masonry - Part 11: Determination of flexural and compressive strength of hardened mortar
DIN EN 1015-12 2016-12	Methods of test for mortar for masonry - Part 12: Determination of adhesive strength of hardened rendering and plastering mortars on substrates
DIN EN 1015-17 2005-01	Methods of test for mortar for masonry - Part 17: Determination of water-soluble chloride content of fresh mortars
DIN EN 1015-18 2003-03	Methods of test for mortar for masonry - Part 18: Determination of water absorption coefficient due to capillary action of hardened mortar
DIN EN 1015-19 2005-01	Methods of test for mortar for masonry - Part 19: Determination of water vapour permeability of hardened rendering and plastering mortars
DIN EN 1052-3 2007-06	Methods of test for masonry - Part 3: Determination of initial shear strength *here:* Method B
DIN EN 1097-4 2008-06	Tests for mechanical and physical properties of aggregates - Part 4: Determination of the voids of dry compacted filler

DIN EN 1097-5 2008-06 Corrigendum 1 2008-09	Tests for mechanical and physical properties of aggregates - Part 5: Determination of the water content by drying in a ventilated oven
DIN EN 1097-7 2022-12	Tests for mechanical and physical properties of aggregates - Part 7: Determination of the particle density of filler - Pyknometer method
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DIN EN 1324 2007-11	Adhesives for tiles - Determination of shear adhesion strength of dispersion adhesives *(withdrawn standard)*
DIN EN 1346 2007-11	Adhesives for tiles - Determination of open time *(withdrawn standard)*
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DIN EN 12002 2009-01	Adhesives for tiles - Determination of transverse deformation for cementitious adhesives and grouts *(withdrawn standard)*
DIN EN 12003 2009-01	Adhesive for tiles - Determination of shear adhesion strength of reaction resin adhesives *(withdrawn standard)*
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DIN EN 13179-2 2000-11	Tests for filler aggregate used in bituminous mixtures - Part 2: Bitumen number
DIN 18555-5 1986-03	Testing of mortars containing mineral binders; hardened mortars; determination of bond shear strength of masonry mortars *(withdrawn Standard)*
DIN 18555-7 2019-04	Testing of mortars with mineral binders - Part 7: Determination of the water retention value of fresh mortars by the filter plate method
DIN 18555-9 2019-04	Testing of mortars containing mineral binders - Part 9: Determination of the compressive strength of hardened mortars in the bed joint
BVK-Prüfverfahrenssammlung, Teil 1 2002-08	Chemical, mortar technological and physical tests - C 01 - Rapid determination of the calcium oxide content (total alkalinity) C 03 - Working procedure for determining the unbound lime content and for determining the water-soluble content of white lime using the automatic titration device C 05 - Determination of the dissolution rate of milk of lime and hydrated lime C 06 - Determination of the dissolution rate of milk of lime and hydrated lime by means of conductivity measurement

VDLUFA, Methodenbuch Band II.1 1995	The examination of fertilizers *here:* 9.7.2 - Thallium with graphite furnace AAS, Erg. 2004 *Modification: here in aggregates and mortar*
WTA Merkblatt 2-9 -20/D 2020-03	Restoration plaster systems *hier:* 6.3.7 - Water absorption 6.3.8 – Water penetration 6.3.10 – Porosity 6.3.11 – Salt resistance
QMAA-C2-02-003 2019-09	Operation Sympatec device He/Ne laser diffraction
QMAA-C2-03-017a 2014-01	Determination of water-soluble chromium(VI) in lime products
QMAA-C2-03-017b 2014-01	Determination of water-soluble chromium (VI) in ready-mixed dry mortar
QMAA-C2-03-078 2018-07	Determination of the specific surface area of limestone powder according to Blaine

2 Testing of external thermal insulation composite systems [Flex. A]

DIN EN ISO 12572 2017-05	Hygrothermal performance of building materials and products - Determination of water vapour transmission properties - Cup method *(withdrawn Standard)*
DIN EN ISO 15148 2018-12	Hygrothermal performance of building materials and products - Determination of water absorption coefficient by partial immersion
DIN EN 1602 2013-05	Thermal insulating products for building applications - Determination of the apparent density *(withdrawn Standard)*
DIN EN 1607 2013-05	Thermal insulating products for building applications - Determination of tensile strength perpendicular to faces

DIN EN 12664 2001-05	Thermal performance of building materials and products - Determination of thermal resistance by means of guarded hot plate and heat flow meter methods - Dry and moist products with medium and low thermal resistance
DIN EN 12667 2001-05	Thermal performance of building materials and products - Determination of thermal resistance by means of guarded hot plate and heat flow meter methods - Products of high and medium thermal resistance
DIN EN 12939 2001-02	Thermal performance of building materials and products - Determination of thermal resistance by means of guarded hot plate and heat flow meter methods - Thick products of high and medium thermal resistance
EAD 040083-00-0404 2019-01	External thermal insulation composite systems (ETICS) with renderings *here:* 2.2.5 – Water absorption (capillary action test) 2.2.6 – Hygrothermal behavior 2.2.7 – Freeze/thaw behavior 2.2.8 – Impact resistance 2.2.9 – Water vapor permeability (resistance to water vapor diffusion) 2.2.11.1 – Adhesive tensile strength between base coat and thermal insulation material 2.2.11.2 – Testing the adhesive tensile strength between adhesive and substrate 2.2.11.3 – Tensile bond strength test between adhesive and thermal insulation material 2.2.20 – Adhesive tensile strength after ageing A.6.5 – Dry extract A.6.6 – Ash content

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

Decision / Resolution of the Commission	System[1)]	Technical specification
1999/470/EG Construction adhesives	3	**EN 12004: 2007+A1:2012** Adhesives for tiles - Requirements, evaluation of conformity, classification and designation

[1)] System for the assessment and verification of constancy of performance

The requirements for a testing laboratory in accordance with Article 43 of the Construction Products Regulation are fulfilled.

The testing laboratory is permitted to apply various revisions of the harmonized technical specifications without the need for prior approval by the Deutsche Akkreditierungsstelle GmbH..

4 Testing of reaction to fire performance of construction products for which the reference to a relevant harmonized technical specification is not required (point 3 Annex V, (EU) No. 305/2011)

reaction to fire

EN ISO 1716 2018	Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value)

in conjunction with:

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

The requirements for a testing laboratory in accordance with Article 43 of the Construction Products Regulation are fulfilled.

Abbreviations used:

BVK	Bundesverband der Deutschen Kalkindustrie e. V.
DIN	Deutsches Institut für Normung e.V.
EAD	Europäisches Bewertungsdokument (European Assessment Document)
EN	Europäische Norm
ETAG	Leitlinie für Europäische Technische Zulassungen
IEC	International Electrotechnical Commission (Internationale Elektrotechnische Kommission)
ISO	International Organization for Standardization (Internationale Organisation für Normung)
QMAA	In-house procedures of Institut für Kalk- und Mörtelforschung e.V. (Qualitätsmanagement-Arbeitsanweisung)
VDLUFA	Verband Deutscher landwirtschaftlicher Untersuchungs- und Forschungsanstalten
WTA	Wissenschaftlich-Technische Arbeitsgemeinschaft für Bauwerkserhaltung und Denkmalpflege e. V.