

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-18748-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 02.06.2020

Date of issue: 11.04.2023

Holder of accreditation certificate:

SCHWENK Technologiezentrum GmbH & Co. KG
Altenburger Chaussee 3, 06406 Bernburg

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 confirm generally with the principles of DIN EN ISO 9001.

with the further location:

Fabrikstraße 54, 89604 Allmendingen

Tests in the fields:

Mechanical-technological and physical testing of concrete, sprayed concrete and concrete aggregates and testing of mixing water for concrete

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

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>.

Abbreviations used: see last page

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The testing methods are identified with the symbols below, according to the sites where the testing was performed:

A = Allmendingen

Bb = Bernburg

Concrete testing

DIN EN 1542 1999-07	Products and systems for the protection and repair of concrete structures - Test methods - Measurement of bond strength by pull-off		
DIN EN 12350-1 2019-09	Testing fresh concrete - Part 1: Sampling and common apparatus	A	Bb
DIN EN 12350-4 2019-09	Testing fresh concrete – Part 4: Degree of compactability	A	Bb
DIN EN 12350-5 2019-09	Testing fresh concrete – Part 5: Flow table test	A	Bb
DIN EN 12350-6 2019-09	Testing fresh concrete – Part 6: Density	A	Bb
DIN EN 12350-7 2019-09	Testing fresh concrete – Part 7: Air content - Pressure methods	A	Bb
DIN EN 12350-8 2019-09	Testing fresh concrete – Part 8: Self-compacting concrete - Slump-flow test		Bb
DIN EN 12390-2 2019-10	Testing hardened concrete – Part 2: Making and curing specimens for strength tests	A	Bb
DIN EN 12390-3 2019-10	Testing hardened concrete – Part 3: Compressive strength of test specimens	A	Bb
DIN EN 12390-5 2019-10	Testing hardened concrete – Part 5: Flexural strength of test specimens	A	Bb
DIN EN 12390-6 2010-09	Testing hardened concrete – Part 6: Tensile splitting strength of test specimens	A	Bb
DIN EN 12390-7 2019-10	Testing hardened concrete - Part 7: Density of hardened concrete	A	Bb

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DIN EN 12390-8 2019-10	Testing hardened concrete – Part 8: Depth of penetration of water under pressure	A	Bb
DIN CEN/TS 12390-9 2006-08	Testing hardened concrete - Part 9: Freeze-thaw resistance with de-icing salts – Scaling Section 7 – CF- test methods /CDF-test methods (alternative test methods) <i>(withdrawn)</i>		
DIN EN 12390-13 2014-06	Testing hardened concrete – Part 13: Determination of secant modulus of elasticity in compression	A	Bb
DIN EN 12504-1 2019-09	Testing concrete in structures – Part 1: Cored specimens - Taking, examining and testing in compression	A	Bb
DIN EN 12504-2 2012-12	Testing concrete in structures – Part 2: Non-destructive testing - Determination of rebound number	A	Bb
DIN EN 13791 2020-02	Assessment of in-situ compressive strength in structures and precast concrete components	A	Bb
DIN EN 14488-1 2005-11	Testing sprayed concrete – Part 1: Sampling fresh and hardened concrete	A	Bb
DIN EN 14488-2 2006-09	Testing sprayed concrete – Part 2: Compressive strength of young sprayed concrete	A	Bb
DAfStb Retarded concrete 2006-11	Guideline for concrete with prolonged processing time (retarded concrete) – Initial testing, manufacture, processing and curing	A	Bb
DAfStb Self-compacting concrete 2012-09	Guideline for self-compacting concrete (SCC-directive) Annex M - Testing of the cone setting flow rate and the cone run-out time by using a flow cone		Bb
DAfStb Steel fibre concrete 2012-11	Guideline for steel fibre concrete Annex M.1 - Wash-out test Annex O - Tests for determining the performance class	A	Bb

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öbv-Richtlinie (directive) 2015-04	Enhanced fire protection in concrete structures for underground traffic constructions Annex A 4 - Determination of PP fibre content on fresh concrete	A	Bb
RILEM TC 117-FDC 1997-04 1996-11 Ausgabestand bei RILEM	CDF Test – Test method for the freeze-thaw resistance of concrete - tests with sodium chloride solution (CDF) (in "Betonwerk-Fertigteil-Technik", Wiesbaden)	A	Bb
RILEM TC 176-IDC 2004-12	CIF testing method for the determination of internal damage of concrete due to frost action – Reference method and alternative methods A and B	A	Bb
BAW leaflet „Frost testing“ (Freeze test) 2012-09	Leaflet: Frost testing of concrete	A	Bb
TP Beton-StB 10 2010	Technical testing specifications for base courses with hydraulic binder materials and concrete road surfaces, <i>here:</i> section 3.1.1 - Analysis of the starting materials section 3.1.2 - Investigation of the paving mixture section 3.1.3 - Compressive strength test		Bb

Aggregates testing

DIN EN 932-1 1996-11	Test for general properties of aggregates - Part 1: Methods for sampling	A	Bb
DIN EN 932-2 1999-03	Test for general properties of aggregates - Part 2: Methods for reducing laboratory samples	A	Bb
DIN EN 932-5 2012-05	Tests for general properties of aggregates - Part 5: Common equipment and calibration Annex A and B		Bb
DIN EN 933-1 2012-03	Tests for geometrical properties of aggregates - Part 1: Determination of particle size distribution - Sieving method	A	Bb
DIN EN 933-4 2015-01	Tests for geometrical properties of aggregates - Part 4: Determination of particle shape - Shape index	A	Bb

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DIN EN 1097-3 1998-06	Tests for mechanical and physical properties of aggregates - Part 3: Determination of loose bulk density and voids	A	Bb
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	A	Bb
DIN EN 1097-6 2013-09	Tests for mechanical and physical properties of aggregates - Part 6: Determination of particle density and water absorption	A	Bb
DIN EN 13286-2 2013-02	Unbound and hydraulically bound mixtures - Part 2: Test methods for laboratory reference density and water content - Proctor compaction		Bb
DAfStb Alkali-Guideline 2013-10	DAfStb-Guideline - Preventive Measures against detrimental Alkali-Reaction in Concrete (Alkali-Guideline) Annex A - Tests on aggregates with opaline sandstone including siliceous chalk and flin Annex B - Rapid test methods and concrete test with cloud chamber exposure (40 °C), <u>here</u> : Section B.2 – Rapid test methods		Bb
Mixing water			
DIN EN 1008 2002-10	Mixing water for concrete - Specification for sampling, testing and assessing the suitability of water, including water recovered from processes in the concrete industry, as mixing water for concrete (except section 6.1.3)	A	Bb

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Abbreviations used:

BAW	Bundesanstalt für Wasserbau (German Federal Waterways Engineering and Research Institute)
CDF	Capillary suction of deicing solution and Freeze thaw test
CIF	Capillary suction, Internal damage and Freeze thaw test
DAfStb	Deutscher Ausschuss für Stahlbeton (German Reinforced Concrete Commission)
RILEM	Réunion Internationale des Laboratoires d'Essais et de Recherche sur les Matériaux et les Constructions (International Union of Laboratories and Experts in Construction Materials, Systems and Structures)
TP Beton-StB	Technische Prüfvorschriften für Tragschichten mit hydraulischen Bindemitteln und Fahrbahndecken aus Beton (Technical Testing Specifications for Base Courses with Hydraulic Binder Materials and Concrete Road Surfaces)
öbv	Österreichische Bautechnik Vereinigung (Austrian Society for Construction Technology)

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