Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-11068-01-02 according to DIN EN ISO/IEC 17025:2018

Valid from: **27.09.2023**

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This annex is a part of the accreditation certificate D-PL-11068-01-00.

Holder of partial accreditation certificate:

Karlsruher Institut für Technologie

with its testing laboratory

Versuchsanstalt für Stahl, Holz und Steine
Otto-Ammann-Platz 1, 76131 Karlsruhe

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.

Mechanical-technological testing of metal materials and products, plastics and composite materials; Testing of metallic and organic coatings and coated metals

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed in this document 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.

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1 Mechanical-technological Testing

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DIN EN ISO 179-1 2010-11	Plastics - Determination of Charpy impact properties - Part 1: Non-instrumented impact test
DIN EN ISO 898-1 2013-05	Mechanical properties of fasteners made of carbon steel and alloy steel - Part 1: Bolts, screws and studs with specified property classes - Coarse thread and fine pitch thread Section 9.2, 9.3, 9.6, 9.9, 9.13
DIN EN ISO 2702 2011-08	Heat-treated self-tapping screws – Mechanical properties Section 6.2.1: Screw-in test Section 6.2.2: testing of the torsional strength
DIN EN ISO 3506-1 2020-08	Fasteners - Mechanical properties of corrosion-resistant stainless steel fasteners - Part 1: Bolts, screws and studs with specified grades and property classes Section 7.2.2: tensile strength Section 7.2.3: 0,2%-proof stress Section 7.2.4: elongation at fracture Section 7.2.5: fracture torque Section 7.2.6 angular tensile test on screws from martensitic steel Section 7.2.7: hardness HB, HRC, or HV
DIN EN ISO 3506-2 2020-08	Fasteners - Mechanical properties of corrosion-resistant stainless steel fasteners - Part 2: Nuts with specified grades and property classes Section7.1: hardness, HB, HRC or HV Section 7.2: test force

DIN EN ISO 3506-3 2010-04	Mechanical properties of corrosion-resistant stainless steel fasteners - Part 3: Set screws and similar fasteners not under tensile stress Section 6: Test Methods
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DIN EN ISO 9018 2016-02	Destructive tests on welds in metallic materials - Tensile test on cruciform and lapped joints
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DIN EN ISO 14555 2017-10	Welding - Arc stud welding of metallic materials Section 11: Investigation and test

DIN EN ISO 14589 2001-08	Blind rivets - Mechanical testing
DIN EN ISO 15630-3 2020-02	Steel for the reinforcement and prestressing of concrete - Test methods - Part 3: Prestressing steel Section 5 tensile test Section 8 isothermal relaxation test Section 9 axial dynamic test
DIN EN ISO 17660-1 2006-12 + Corrigenda 1 2007-08	Welding - Welding of reinforcing steel - Part 1: Load-bearing welded joints Section 14.2: tensile test Section 14.3: shear test Section 14.4: bending test
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DIN EN 12390-3 2019-10	Testing hardened concrete - Part 3: Compressive strength of test specimens
DIN EN 15048-2 2016-09	Non-preloaded structural bolting assemblies - Part 2: Fitness for purpose Section 6: Tensile Test of Bolt/Nut Assemblies
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2 Macroscopic and Microscopic Investigations

DIN EN ISO 17639 2022-05	Destructive tests on welds in metallic materials - Macroscopic and microscopic examination of welds
DIN EN 1321 1996-12	Destructive tests of welds in metallic materials - Macroscopic and microscopic examination of welds

3 Testing of Coatings

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DIN EN ISO 1463 2021-08	Metallic and oxide coatings - Measurement of coating thickness - Microscopical method
DIN EN ISO 2178 2016-11	Non-magnetic coatings on magnetic substrates - Measurement of coating thickness - Magnetic method
DIN EN 13523-1 2017-05	Coil coated metals - Test methods - Part 1: Film thickness

3.2 Mechanical testing

DIN EN ISO 2409 2020-12	Paints and varnishes - Cross-cut test
DIN EN 10346 2015-10	Continuously hot-dip coated steel flat products for cold forming - Technical delivery conditions Section 8.5.5 Coating Mass
DIN EN 13523-6 2020-08	Coil coated metals - Test methods - Part 6: Adhesion after indentation (cupping test)
DIN EN 13523-7 2022-01	Coil coated metals - Test methods - Part 7: Resistance to cracking on bending (T-bend test)

3.3 Testing in artificial atmospheres

DIN EN ISO 6270-1 2018-04	Paints and varnishes - Determination of resistance to humidity - Part 1: Condensation (single-sided exposure)
DIN EN ISO 6270-2 2018-04	Paints and varnishes - Determination of resistance to humidity - Part 2: Condensation (in-cabinet exposure with heated water reservoir)
DIN EN ISO 6988 1997-03	Metallic and other non-organic coatings - Sulfur dioxide test with general condensation of moisture
DIN EN ISO 22479 2022-08	Corrosion of metals and alloys – Sulfur dioxide test in a humid atmosphere (fixed gas method)
DIN EN ISO 9227 2017-07	Corrosion tests in artificial atmospheres - Salt spray tests
DIN EN 13523-8 2017-10	Coil coated metals - Test methods - Part 8: Resistance to salt spray (fog)
DIN EN 13523-13 2014-08	Coil coated metals – Test methods – Part 13: Resistance to accelerated ageing by the use of heat
DIN EN 13523-23 2015-09	Coil coated metals – Test methods – Part 23: Resistance to humid atmospheres containing sulfur dioxide
DIN EN 13523-26 2022-04	Coil coated metals - Test methods - Part 26: Resistance to condensation of water

DIN 50018 2013-05	Testing in a saturated atmosphere in the presence of sulphur dioxide

Abbreviations used:

CUAP	Common Understanding Assessment Procedure
DIBt	Deutsches Institut für Bautechnik
DIN	Deutsches Institut für Normung e. V.
EN	European Standard
ISO	International Organization for Standardization
SEP	Stahl-Eisen-Prüfblatt (Steel-Iron Test Sheet)