

Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-IS-11166-01-02 according to DIN EN ISO/IEC 17020:2012

Valid from: 10.01.2023

Date of issue: 24.01.2023

This annex is a part of the accreditation certificate D-IS-11166-01-00.

Holder of partial accreditation certificate:

Element Materials Technology Hamburg GmbH
Tempowerkring 11, 21079 Hamburg

The inspection body Type A meets the minimal requirements of DIN EN ISO/IEC 17020:2012 and, if applicable, additional legal and normative requirements, including those in relevant sectoral schemes, in order to carry out the conformity assessment activities listed below.

The management system requirements of DIN EN ISO/IEC 17020 are written in the language relevant to the operations of inspection bodies and confirm generally with the principles of DIN EN ISO 9001.

Inspection in terms of failure analysis in materials engineering and condition examination regarding quality assurance of welding, corrosion protection as well as qualification of welding procedures and determination of their conformity with specific requirements or on the basis of professional judgment with general requirements

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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1 Corrosion protection

EHH-22-03D Inspection of corrosion protection
Rev. 0
2017-06

based on the following specifications:

DIN EN ISO 12944-1 2019-01	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 1: General introduction
DIN EN ISO 12944-2 2018-04	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 2: Classification of environments
DIN EN ISO 12944-3 2018-04	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 3: Design considerations
DIN EN ISO 12944-4 2018-04	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 4: Types of surface and surface preparation
DIN EN ISO 12944-5 2020-03	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 5: Protective paint systems
DIN EN ISO 12944-6 2018-06	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 6: Laboratory performance test
DIN EN ISO 12944-7 2018-04	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 7: Execution and supervision of paint work
DIN EN ISO 12944-8 2018-04	Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 8: Development of specifications for new work and maintenance
DIN EN ISO 8501-3 2007-10	Preparation of steel substrates before application of paints and related products - Visual assessment of surface cleanliness - Part 3: Preparation grades of welds, edges and other areas with surface imperfections
DIN EN ISO 8502-3 2017-05	Preparation of steel substrates before application of paints and related products - Tests for the assessment of surface cleanliness - Part 3: Assessment of dust on steel surfaces prepared for painting (pressure-sensitive tape method)

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DIN EN ISO 8502-4 2017-05	Preparation of steel substrates before application of paints and related products - Tests for the assessment of surface cleanliness - Part 4: Guidance on the estimation of the probability of condensation prior to paint application
DIN EN ISO 8502-6 2020-08	Preparation of steel substrates before application of paints and related products - Tests for the assessment of surface cleanliness - Part 6: Extraction of soluble contaminants for analysis - The Bresle method
DIN EN ISO 8503-2 2012-06	Preparation of steel substrates before application of paints and related products - Surface roughness characteristics of blast-cleaned steel substrates - Part 2: Method for the grading of surface profile of abrasive blast-cleaned steel - Comparator procedure
DIN EN ISO 1461 2009-10	Hot dip galvanized coatings on fabricated iron and steel articles - Specifications and test methods
DIN EN ISO 2178 2016-11	Non-magnetic coatings on magnetic substrates - Measurement of coating thickness - Magnetic method
DIN EN ISO 2360 2017-12	Non-conductive coatings on non-magnetic electrically conductive basis materials - Measurement of coating thickness - Amplitude-sensitive eddy current method
DIN EN ISO 2409 2020-12	Paints and varnishes - Cross-cut test
DIN EN ISO 2808 2019-12	Paints and varnishes - Determination of film thickness
DIN EN ISO 4624 2016-08	Paints and varnishes - Pull-off test for adhesion
DIN EN ISO 16276-1 2007-08	Corrosion protection of steel structures by protective paint systems - Assessment of, and acceptance criteria for, the adhesion/cohesion (fracture strength) of a coating - Part 1: Pull-off testing
DIN EN ISO 16276-2 2007-08	Corrosion protection of steel structures by protective paint systems - Assessment of, and acceptance criteria for, the adhesion/cohesion (fracture strength) of a coating - Part 2: Cross-cut testing and X-cut testing

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ISO 19840
2012-09
Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Measurement of, and acceptance criteria for, the thickness of dry films on rough surfaces

2 Failure analysis

EHH-22-01D
Rev. 0
2017-06
Processing of failure analysis

based on the following specifications:

VDI 3822
2011-11
Failure analysis - Fundamentals and performance of failure analysis

VDI 3822
Sheet 1.2
2017-12
Failure analysis - Failures in metal products from corrosion in aqueous media

VDI 3822
Sheet 1.3
2017-06
Failure analysis - Failures on metal products caused by tribology working conditions

VDI 3822
Sheet 1.4
2011-10
Failure analysis - Failures caused by thermal loading

VDI 3822
Sheet 1.6
2019-06
Failure analysis - Liquid metal induced crack growth by hot dip galvanising

VDI 3822
Sheet 2
2008-04
Failure analysis - Failures caused by mechanical working conditions

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Abbreviations used:

DIN	German Institute for Standardisation
EHH	Element Materials Technology Hamburg GmbH
EN	European Standard
ISO	International Organisation for Standardisation
VDI	Association of German Engineers

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