

ICS 25.220.40; 91.080.13; 91.080.17

Supersedes
DIN EN ISO 14713-1:2010-05

**Zinc coatings –
Guidelines and recommendations for the protection against corrosion of
iron and steel in structures –
Part 1: General principles of design and corrosion resistance
(ISO 14713-1:2017);
English version EN ISO 14713-1:2017,
English translation of DIN EN ISO 14713-1:2017-08**

Zinküberzüge –
Leitfäden und Empfehlungen zum Schutz von Eisen- und Stahlkonstruktionen vor Korrosion –
Teil 1: Allgemeine Konstruktionsgrundsätze und Korrosionsbeständigkeit
(ISO 14713-1:2017);
Englische Fassung EN ISO 14713-1:2017,
Englische Übersetzung von DIN EN ISO 14713-1:2017-08

Revêtements de zinc –
Lignes directrices et recommandations pour la protection contre la corrosion du fer et de
l'acier dans les constructions –
Partie 1: Principes généraux de conception et résistance à la corrosion (ISO 14713-1:2017);
Version anglaise EN ISO 14713-1:2017,
Traduction anglaise de DIN EN ISO 14713-1:2017-08

Document comprises 26 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN ISO 14713-1:2017) has been prepared by Technical Committee ISO/TC 107 “Metallic and other inorganic coatings” in collaboration with Technical Committee CEN/TC 262 “Metallic and other inorganic coatings, including for corrosion protection and corrosion testing of metals and alloys” (Secretariat: BSI, United Kingdom).

The responsible German body involved in its preparation was *DIN-Normenausschuss Materialprüfung* (DIN Standards Committee Materials Testing), Working Committee NA 062-01-75 AA “Hot dip coatings”.

The DIN Standards corresponding to the International Standards referred to in this document are as follows:

ISO 1461	DIN EN ISO 1461
ISO 2063	DIN EN ISO 2063
ISO 2064	DIN EN ISO 2064
ISO 2081	DIN EN ISO 2081
ISO 8044:2015	DIN EN ISO 8044:2015-12
ISO 9223	DIN EN ISO 9223
ISO 9224	DIN EN ISO 9224
ISO 9226	DIN EN ISO 9226
ISO 9227	DIN EN ISO 9227
ISO 10684	DIN EN ISO 10684
ISO 11303	DIN EN ISO 11303
ISO 11844-1	DIN EN ISO 11844-1
ISO 12683	DIN EN ISO 12683
ISO 12944-5	DIN EN ISO 12944-5
ISO 12944-8	DIN EN ISO 12944-8
ISO 14713-2	DIN EN ISO 14713-2
ISO 14713-3	DIN EN ISO 14713-3
ISO 17668	DIN EN ISO 17668

Amendments

This standard differs from DIN EN ISO 14713-1:2010-05 as follows:

- a) ISO 17668 has been included in the normative references and the references to EN 13811 have been replaced by a reference to ISO 17668;
- b) Table 1 has been revised to align it with corresponding descriptions of typical environments in ISO 9223:2012, Table C.1 and to make clearer that the corrosion rates presented are for the first year of exposure.

Previous editions

DIN EN ISO 14713: 1999-05
DIN EN ISO 14713-1: 2010-05

National Annex NA (informative)

Bibliography

DIN EN ISO 1461, *Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods*

DIN EN ISO 2063, *Thermal spraying — Metallic and other inorganic coatings — Zinc, aluminium and their alloys*

DIN EN ISO 2064, *Metallic and other non-organic coatings — Definitions and conventions concerning the measurement of thickness*

DIN EN ISO 2081, *Metallic and other inorganic coatings — Electroplated coatings of zinc with supplementary treatments on iron or steel*

DIN EN ISO 8044:2015-12, *Corrosion of metals and alloys — Basic terms and definitions (ISO 8044:2015)*

DIN EN ISO 9223, *Corrosion of metals and alloys — Corrosivity of atmospheres — Classification, determination and estimation*

DIN EN ISO 9224, *Corrosion of metals and alloys — Corrosivity of atmospheres — Guiding values for the corrosivity categories*

DIN EN ISO 9226, *Corrosion of metals and alloys — Corrosivity of atmospheres — Determination of corrosion rate of standard specimens for the evaluation of corrosivity*

DIN EN ISO 9227, *Corrosion tests in artificial atmospheres — Salt spray tests*

DIN EN ISO 10684, *Fasteners — Hot dip galvanized coatings*

DIN EN ISO 11303, *Corrosion of metals and alloys — Guidelines for selection of protection methods against atmospheric corrosion*

DIN EN ISO 11844-1, *Corrosion of metals and alloys — Classification of low corrosivity of indoor atmospheres — Part 1: Determination and estimation of indoor corrosivity*

DIN EN ISO 12683, *Mechanically deposited coatings of zinc — Specification and test methods*

DIN EN ISO 12944-5, *Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 5: Protective paint systems*

DIN EN ISO 12944-8, *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 14713-2, *Zinc coatings — Guidelines and recommendations for the protection against corrosion of iron and steel in structures — Part 2: Hot dip galvanizing*

DIN EN ISO 14713-3, *Zinc coatings — Guidelines and recommendations for the protection against corrosion of iron and steel in structures — Part 3: Sherardizing*

DIN EN ISO 17668, *Zinc diffusion coatings on ferrous products — Sherardizing — Specification*