May 2020

DIN EN ISO 14713-2

ICS 25.220.40

Supersedes
DIN EN ISO 14713-2:2010-05

Zinc coatings – Guidelines and recommendations for the protection against corrosion of iron and steel in structures – Part 2: Hot dip galvanizing (ISO 14713-2:2019); English version EN ISO 14713-2:2020, English translation of DIN EN ISO 14713-2:2020-05

Zinküberzüge –
Leitfäden und Empfehlungen zum Schutz von Eisen- und Stahlkonstruktionen vor Korrosion –
Teil 2: Feuerverzinken (ISO 14713-2:2019);
Englische Fassung EN ISO 14713-2:2020,
Englische Übersetzung von DIN EN ISO 14713-2:2020-05

Revêtements de zinc –
Lignes directrices et recommandations pour la protection contre la corrosion du fer et de l'acier dans les constructions –
Partie 2: Galvanisation à chaud (ISO 14713-2:2019);
Version anglaise EN ISO 14713-2:2020,
Traduction anglaise de DIN EN ISO 14713-2:2020-05

Document comprises 30 pages

Translation by DIN-Sprachendienst.

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

04.20 3159442

A comma is used as the decimal marker.

National foreword

This document (EN ISO 14713-2:2020) 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 Working Committee brings attention to the fact that the English term "coated" has been translated as *"feuerverzinkt"* into German within the meaning of this standard. Furthermore, the English term "galvanizer" has been translated as *"Feuerverzinkerei"* into German.

The DIN documents corresponding to the international documents referred to in this document are as follows:

ISO 898 (all parts)	DIN EN ISO 898 (all parts)
ISO 1461:2009	DIN EN ISO 1461:2009-10
ISO 8044	DIN EN ISO 8044
ISO 10684	DIN EN ISO 10684
ISO 12944-5	DIN EN ISO 12944-5

Amendments

This standard differs from DIN EN ISO 14713-2:2010-05 as follows:

a) minor technical changes have been made and two new notes have been added to Table 1;

b) improvements have been made to the clarity of recommendations throughout Clause 6;

c) extensive revisions have been made to the figures in Annex A;

d) Tables A.1, A.2 and A.3 have been added in Annex A;

e) further minor technical and editorial changes have been made.

Previous editions

DIN EN ISO 14713: 1999-05
DIN EN ISO 14713-2: 2010-05

National Annex NA
(informative)

Technical rules on hot dip galvanizing (Batch galvanizing)

The standards series DIN EN ISO 14713 significantly deals with zinc coatings for the protection against corrosion of iron and steel. It consists of the following parts:

— DIN EN ISO 14713-1, *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*

— 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*

The standard DIN EN ISO 1461, *Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods* specifies general requirements and tests of properties for coatings applied by hot dipping fabricated articles.

In terms of German building regulations, *DASt-Richtlinie* 022 *"Feuerverzinken von tragenden Stahlbauteilen"* (Hot dip galvanized coatings on structural steel components) published by the *Deutscher Ausschuss für Stahlbau* (German Committee for Steel Construction) applies. This guideline includes requirements for the planning, construction, manufacturing and conditioning, the procedure of hot dip galvanizing, testing and acceptance of structural steel components.

In addition to the above-mentioned technical rules, there are also several relevant standards on specific products. For instance, DIN EN ISO 10684, *Fasteners — Hot dip galvanized coatings* deals with galvanized fasteners such as nuts and screws. DIN EN 10240, *Internal and/or external protective coatings for steel tubes — Specification for hot dip galvanized coatings applied in automatic plants* specifies properties and requirements for galvanized coatings on tubes produced in automated manufacturing plants.