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# Zinc coatings — Guidelines and recommendations for the protection against corrosion of iron and steel in structures —

## Part 2: Hot dip galvanizing

*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*



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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 14713-2 was prepared by Technical Committee ISO/TC 107, *Metallic and other inorganic coatings*, Subcommittee SC 4, *Hot dip coatings (galvanized, etc.)*.

This first edition, together with ISO 14713-1 and ISO 14713-3, cancels and replaces ISO 14713:1999, which has been technically revised

ISO 14713 consists of the following parts, under the general title *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*
- *Part 2: Hot dip galvanizing*
- *Part 3: Sherardizing*

The principal changes to this part of ISO 14713 compared to ISO 14713:1999 are the following.

- This part of ISO 14713 only provides design guidance for hot dip galvanizing of articles.
- The normative references (Clause 2) have been updated to take into account the very latest standards available to readers.
- Additional guidance on the effect of the iron/steel surface composition has been provided (6.1.1, Table 1).
- Additional information has been provided on the effect of thermal cutting processes (6.4) and the influence of internal stresses in the basis steel during hot dip galvanizing (6.5).