



SLOVENSKI STANDARD

oSIST prEN ISO 1461:2008

01-januar-2008

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Hot dip galvanized coatings on fabricated iron and steel articles - Specifications and test methods (ISO/DIS 1461:2007)

Durch Feuerverzinken auf Stahl aufgebrachte Zinküberzüge (Stückverzinken) - Anforderungen und Prüfungen (ISO/DIS 1461:2007)

Revetements par galvanisation a chaud sur produits finis ferreux - Spécifications et méthodes d'essai (ISO/DIS 1461:2007)

Ta slovenski standard je istoveten z: prEN ISO 1461

ICS:

25.220.40 Kovinske prevleke Metallic coatings

oSIST prEN ISO 1461:2008 en

November 2007

ICS 25.220.40

Will supersede EN ISO 1461:1999

English Version

Hot dip galvanized coatings on fabricated iron and steel articles - Specifications and test methods (ISO/DIS 1461:2007)

Revêtements par galvanisation à chaud sur produits finis
ferreux - Spécifications et méthodes d'essai (ISO/DIS
1461:2007)

Durch Feuerverzinken auf Stahl aufgebrachte Zinküberzüge
(Stückverzinken) - Anforderungen und Prüfungen (ISO/DIS
1461:2007)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee CEN/TC 262.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (prEN ISO 1461:2007) 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" the secretariat of which is held by BSI.

This document is currently submitted to the parallel Enquiry.

This document will supersede EN ISO 1461:1999.

Endorsement notice

The text of ISO/DIS 1461:2007 has been approved by CEN as a prEN ISO 1461:2007 without any modification.

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DRAFT INTERNATIONAL STANDARD ISO/DIS 1461

ISO/TC 107/SC 4

Secretariat: **BSI**

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods

Revêtements par galvanisation à chaud sur produits finis ferreux — Spécifications et méthodes d'essai

[Revision of second edition (ISO 1461:1999)]

ICS 25.220.40

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ISO/CEN PARALLEL ENQUIRY

The CEN Secretary-General has advised the ISO Secretary-General that this ISO/DIS covers a subject of interest to European standardization. **In accordance with the ISO-lead mode of collaboration as defined in the Vienna Agreement, consultation on this ISO/DIS has the same effect for CEN members as would a CEN enquiry on a draft European Standard.** Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month FDIS vote in ISO and formal vote in CEN.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.

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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 1461 was prepared by Technical Committee ISO/TC 107, *Metallic and other inorganic coatings*, Subcommittee SC 4, and by Technical Committee CEN/TC 262, *Metallic and other inorganic coatings* in collaboration.

This third edition cancels and replaces the second edition (1999). This revision reflects the experience in the use of ISO 1461 and includes a simplification of procedures and presentation.

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Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods

1 Scope

This standard specifies the general properties of and methods of test for coatings applied by dipping fabricated iron and steel articles (including certain castings) in a zinc melt (containing not more than 2% of other metals). It does not apply to:

- a) sheet and wire that are continuously hot dip galvanized
- b) tube and pipe that is hot dip galvanized in automatic plants
- c) hot dip galvanized products (e.g. fasteners) for which specific standards exist and which may include additional requirements or requirements which are different from those of this European Standard.

NOTE Individual product standards can incorporate this standard for the coating by quoting its number, or may incorporate it with modification specific to the product. Different requirements may also be made for galvanized coatings on products intended to meet specific regulatory requirements.

After-treatment/over-coating of hot dip galvanized articles is not covered by this standard.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 752 Zinc ingots.

ISO 1460 Metallic coatings – Hot dip galvanized coatings on ferrous materials — Gravimetric determination of the mass per unit area

ISO 2064 Metallic and other inorganic coatings — Definitions and conventions concerning the measurement of thickness.

ISO 2178 Non-magnetic coatings on magnetic substrates — Measurement of coating thickness — Magnetic method.

ISO 2808 Paints and varnishes — Determination of film thickness.

ISO 2859 Sampling procedures for inspection by attributes

Part 1: Sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection.

Part 2: Sampling plans indexed by limiting quality (LQ) for isolated lot inspection

Part 3: Skip-lot sampling procedures.

ISO 3549:1995, Zinc dust pigments for paints — Specifications and test methods.

ISO 10474 Steel and steel products -- Inspection documents.