
Kovinske in druge anorganske prevleke - Galvanske prevleke niklja, nikelj-kroma, baker-niklja in baker-nikelj-kroma (ISO/DIS 1456:2008)

Metallic and other inorganic coatings - Electrodeposited coatings of nickel, nickel plus chromium and of copper plus nickel plus chromium (ISO/DIS 1456:2008)

Metallische und andere anorganische Überzüge - Galvanische Nickel-Überzüge, Nickel-Chrom-Überzüge und Kupfer-Nickel-Chrom-Überzüge (ISO/DIS 1456:2008)

Revêtements métalliques et inorganiques - Dépôts électrolytiques de nickel, de nickel plus chrome et de cuivre plus nickel plus chrome (ISO/DIS 1456:2008)

Ta slovenski standard je istoveten z: prEN ISO 1456

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**Metallic and other inorganic coatings - Electrodeposited coatings
of nickel, nickel plus chromium and of copper plus nickel plus
chromium (ISO/DIS 1456:2008)**

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Galvanische Nickel-Überzüge, Nickel-Chrom-Überzüge und
Kupfer-Nickel-Chrom-Überzüge (ISO/DIS 1456:2008)

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.

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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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (prEN ISO 1456:2008) 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 12540:2000.

Endorsement notice

The text of ISO/DIS 1456:2008 has been approved by CEN as a prEN ISO 1456:2008 without any modification.

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DRAFT INTERNATIONAL STANDARD ISO/DIS 1456

ISO/TC 107/SC 3

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Metallic and other inorganic coatings — Electrodeposited coatings of nickel, nickel plus chromium and of copper plus nickel plus chromium

Revêtements métalliques et inorganiques — Dépôts électrolytiques de nickel, de nickel plus chrome et de cuivre plus nickel plus chrome

(Revision of third edition of ISO 1456:2003 and ISO 1458:2002)

ICS 25.220.40

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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.

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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.

International Standard ISO 1456 was prepared by Technical Committee ISO/TC 107, *Metallic and other inorganic coatings*, Subcommittee SC 3, *Electrodeposited coatings and related finishes*.

This fourth edition cancels and replaces the third edition (ISO 1456:2002), which has been editorially and technically revised.

This edition incorporates ISO 1458:2003, third edition, and cancels ISO 1458:2002

Annexes A is informative and B to D form a normative part of this International Standard..

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Introduction

Decorative, electrodeposited nickel coatings with and without copper undercoats and without chromium topcoats are suitable for applications in which tarnishing is prevented by rubbing or handling in service or by the use of topcoats other than chromium. They are also suitable for those applications where tarnishing is of no importance. Corrosion resistance depends on the type and thickness of the coatings.

Decorative, electrodeposited nickel plus chromium and copper plus nickel plus chromium coatings are applied to manufactured articles to enhance their appearance and corrosion resistance. Corrosion resistance depends on the type and thickness of the coatings. In general, multilayer nickel coatings provide better corrosion resistance than single-layer nickel coatings of equal thickness, and micro-discontinuous chromium coatings provide better protection than conventional chromium.

This International Standard is a revised and harmonised version incorporating ISO 1458.

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