
Kovinske prevleke - Elektrogalvanske prevleke cinka in cinkovih zlitin na železu ali jeklu z dodanim Cr (VI) - prosti postopek (ISO 19598:2016)

Metallic coatings - Electroplated coatings of zinc and zinc alloys on iron or steel with supplementary Cr(VI)-free treatment (ISO 19598:2016)

Metallische Überzüge - Galvanische Zink- und Zinklegierungsüberzüge auf Eisenwerkstoffen mit zusätzlichen Cr(VI)-freien Behandlungen (ISO 19598:2016)

Revêtements métalliques - Dépôts électrolytiques de zinc et d'alliage de zinc sur fer ou acier avec traitements supplémentaires sans Cr(VI) (ISO 19598:2016)

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Ta slovenski standard je istoveten z: EN ISO 19598:2016

ICS:

25.220.40	Kovinske prevleke	Metallic coatings
77.120.60	Svinec, cink, kositer in njihove zlitine	Lead, zinc, tin and their alloys

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 19598

November 2016

ICS 25.220.40

English Version

Metallic coatings - Electroplated coatings of zinc and zinc alloys on iron or steel with supplementary Cr(VI)-free treatment (ISO 19598:2016)

Revêtements métalliques - Revêtements électrolytiques de zinc et d'alliages de zinc sur du fer ou de l'acier avec traitement supplémentaire sans Cr(VI) (ISO 19598:2016)

Metallische Überzüge - Galvanische Zink- und Zinklegierungsüberzüge auf Eisenwerkstoffen mit zusätzlichen Cr(VI)-freien Behandlungen (ISO 19598:2016)

This European Standard was approved by CEN on 1 October 2016.

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European foreword

This document (EN ISO 19598:2016) 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” the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2017, and conflicting national standards shall be withdrawn at the latest by May 2017.

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INTERNATIONAL STANDARD

**ISO
19598**

First edition
2016-11-15

Metallic coatings — Electroplated coatings of zinc and zinc alloys on iron or steel with supplementary Cr(VI)- free treatment

*Revêtements métalliques — Revêtements électrolytiques de
zinc et d'alliages de zinc sur du fer ou de l'acier avec traitement
supplémentaire sans Cr(VI)*

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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The committee responsible for this document is ISO/TC 107, *Metallic and other inorganic coatings*, Subcommittee SC 3, *Electrodeposited coatings and related finishes*.

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Introduction

The chromium(VI) free systems differ in 2 points from the chromium(VI)-containing systems:

- a) there is no self-healing of the system;
- b) higher temperature resistance ($> 150\text{ }^{\circ}\text{C}$), the limit for chromium(VI) containing systems, is $\leq 70\text{ }^{\circ}\text{C}$.

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