
Kovinske in druge anorganske prevleke - Galvanske prevleke kositer-kobaltovih zlitin (ISO 26945:2008)

Metallic and other inorganic coatings - Electrodeposited coatings of tin-cobalt alloy (ISO 26945:2008)

Metallische und andere anorganische Überzüge - Galvanische Überzüge aus Zinn-Cobalt-Legierungen (ISO 26945:2008)

Revêtements métalliques et autres revêtements inorganiques - Dépôts électrolytiques d'alliage étain-cobalt (ISO 26945:2008)

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Metallic and other inorganic coatings - Electrodeposited coatings of tin-cobalt alloy (ISO 26945:2008)

Revêtements métalliques et autres revêtements
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(ISO 26945:2008)

Metallische und andere anorganische Überzüge -
Galvanische Überzüge aus Zinn-Cobalt-Legierungen (ISO
26945:2008)

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Foreword

This document (EN ISO 26945:2008) 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 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of an identical text or by endorsement, at the latest by June 2009, and conflicting national standards shall be withdrawn at the latest by June 2009.

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Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
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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.

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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 26945 was prepared by Technical Committee ISO/TC 107, *Metallic and other inorganic coatings*.

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Introduction

Electrodeposited coating of tin-cobalt alloy is characterized by its bright surface which is similar to decorative chromium coating. Hardness and wear-resistance properties of tin-cobalt alloy coatings are not equivalent to those of chromium coatings, but are similar to those of tin-nickel alloy coatings (see ISO 2179). Thus tin-cobalt coatings may be regarded, as far as surface lustre is concerned, as one of the possible alternatives to chromium coating. Due to its higher current efficiency (more than 70 %), tin-cobalt alloy coatings can be applied by rack and barrel plating processes to a wide range of complicated shapes and sizes, e.g. nuts, bolts, rivets, etc.

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