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Irish Standard
I.S. EN ISO 26945:2011

Metallic and other inorganic coatings - Electrodeposited coatings of tin-cobalt alloy (ISO 26945:2011)

I.S. EN ISO 26945:2011

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English Version

**Metallic and other inorganic coatings - Electrodeposited coatings
of tin-cobalt alloy (ISO 26945:2011)**

Revêtements métalliques et autres revêtements
inorganiques - Dépôts électrolytiques d'alliage étain-cobalt
(ISO 26945:2011)

Metallische und andere anorganische Überzüge -
Galvanische Überzüge aus Zinn-Cobalt-Legierungen (ISO
26945:2011)

This European Standard was approved by CEN on 8 February 2011.

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Foreword

This document (EN ISO 26945:2011) 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of an identical text or by endorsement, at the latest by August 2011, and conflicting national standards shall be withdrawn at the latest by August 2011.

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The text of ISO 26945:2011 has been approved by CEN as a EN ISO 26945:2011 without any modification.

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I.S. EN ISO 26945:2011
**INTERNATIONAL
STANDARD**

**ISO
26945**

Second edition
2011-02-15

**Metallic and other inorganic coatings —
Electrodeposited coatings of tin-cobalt
alloy**

*Revêtements métalliques et autres revêtements inorganiques — Dépôts
électrolytiques d'alliage étain-cobalt*



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

This second edition cancels and replaces the first edition (ISO 26945:2008), of which it constitutes a minor revision.

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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