



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN ISO 4527:2003

ICS 25.220.40

**METALLIC COATINGS - AUTOCATALYTIC
(ELECTROLESS) NICKEL-PHOSPHORUS
ALLOY COATINGS - SPECIFICATION AND
TEST METHODS (ISO 4527:2003)**

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English version

Metallic coatings - Autocatalytic (electroless) nickel-phosphorus alloy coatings - Specification and test methods (ISO 4527:2003)

Revêtements métalliques - Dépôts autocatalytiques (sans courant) d'alliages de nickel-phosphore - Spécifications et méthodes d'essai (ISO 4527:2003)

Metallische Überzüge - Autokatalytisch (außenstromlos) abgeschiedene Nickel-Phosphor-Legierungs-Überzüge - Spezifikationen und Prüfverfahren (ISO 4527:2003)

This European Standard was approved by CEN on 25 April 2003.

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Foreword

This document (EN ISO 4527:2003) 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of an identical text or by endorsement, at the latest by November 2003, and conflicting national standards shall be withdrawn at the latest by November 2003.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 4527:2003 has been approved by CEN as EN ISO 4527:2003 without any modifications.

NOTE Normative references to International Standards are listed in Annex ZA (normative).

Annex ZA (normative)

Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 1463	1982	Metallic and oxide coatings - Measurement of coating thickness - Microscopical method	EN ISO 1463	1994
ISO 2064	1996	Metallic and other inorganic coatings - Definitions and conventions concerning the measurement of thickness	EN ISO 2064	2000
ISO 2177	1985	Metallic coatings - Measurement of coating thickness - Coulometric method by anodic dissolution	EN ISO 2177	1994
ISO 2178	1982	Non-magnetic coatings on magnetic substrates - Measurement of coating thickness - Magnetic method	EN ISO 2178	1995
ISO 2819	1980	Metallic coatings on metallic substrates - Electrodeposited and chemically deposited coatings - Review of methods available for testing adhesion	EN ISO 2819	1994
ISO 3497	2000	Metallic coatings - Measurement of coating thickness - X-ray spectrometric methods	EN ISO 3497	2000
ISO 3882	1986	Metallic and other non-organic coatings - Review of methods of measurement of thickness	EN ISO 3882	1994
ISO 4516	2002	Metallic and other inorganic coatings - Vickers and Knoop microhardness tests	EN ISO 4516	2002
ISO 9220	1988	Metallic coatings - Measurement of coating thickness - Scanning electron microscope method	EN ISO 9220	1994
ISO 10289	1999	Methods for corrosion testing of metallic and other inorganic coatings on metallic substrates - Rating of test specimens and manufactured articles subjected to corrosion tests	EN ISO 10289	2001

INTERNATIONAL STANDARD

ISO 4527

Second edition
2003-05-15

Metallic coatings — Autocatalytic (electroless) nickel-phosphorus alloy coatings — Specification and test methods

*Revêtements métalliques — Dépôts autocatalytiques (sans courant)
d'alliages de nickel-phosphore — Spécifications et méthodes d'essai*



Reference number
ISO 4527:2003(E)

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