ICS 25.220.40 SLOVENSKÁ TECHNICKÁ NORMA Február 2022

STN	**Kovové povlaky Skúšobné metódy pre elektrolyticky vylúčené povlaky zlata a jeho zliatin Časť 3: Elektrografické skúšky pórovitosti (ISO 4524-3: 2021)**	**STN EN ISO 4524-3 03 8519**

Metallic coatings - Test methods for electrodeposited gold and gold alloy coatings - Part 3: Electrographic tests for porosity (ISO 4524-3:2021)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/22

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EUROPEAN STANDARD

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English Version

Metallic coatings - Test methods for electrodeposited gold and gold alloy coatings - Part 3: Electrographic tests for porosity (ISO 4524-3:2021)

Revêtements métalliques - Méthodes d'essai des dépôts électrolytiques d'or et d'alliages d'or - Partie 3: Détermination électrographique de la porosité (ISO 4524-3:2021)

Metallische Überzüge - Prüfverfahren für elektrolytisch abgeschiedene Überzüge aus Gold und Goldlegierungen - Teil 3: Elektrografische Prüfungen (ISO 4524-3:2021)

This European Standard was approved by CEN on 22 September 2021.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN ISO 4524-3:2021) 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of an identical text or by endorsement, at the latest by May 2022, and conflicting national standards shall be withdrawn at the latest by May 2022.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 4524-3:1995.

Any feedback and questions on this document should be directed to the users’ national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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Endorsement notice

The text of ISO 4524-3:2021 has been approved by CEN as EN ISO 4524-3:2021 without any modification.

INTERNATIONAL STANDARD

ISO 4524-3

Second edition
2021-10

Metallic coatings — Test methods for electrodeposited gold and gold alloy coatings —

Part 3: Electrographic tests for porosity

Revêtements métalliques — Méthodes d'essai des dépôts électrolytiques d'or et d'alliages d'or —

Partie 3: Détermination électrographique de la porosité

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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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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 107, *Metallic and other inorganic coatings*, Subcommittee SC 3, *Electrodeposited coatings and related finishes,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 262, *Metallic and other inorganic coatings,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 4524-3:1985), which has been technically revised.

The main change compared to the previous edition is as follows: due to currently strong restrictions on the use of cadmium, the cadmium sulphide paper test prescribed by the last edition of this document has been deleted.

A list of all parts in the ISO 4524 series can be found on the ISO website.

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INTERNATIONAL STANDARD **ISO 4524-3:2021(E)**

Metallic coatings — Test methods for electrodeposited gold and gold alloy coatings —

Part 3: Electrographic tests for porosity

1 Scope

This document specifies four electrographic tests for assessing the porosity of electrodeposited gold and gold alloy coatings for engineering, and decorative and protective purposes.

2 Normative references

There are no normative references in this document.