

STN	Náterové látky Ochrana proti korózii ochrannými náterovými systémami Hodnotenie pórovitosti v suchom filme (ISO 29601: 2026)	STN EN ISO 29601 67 3117
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Paints and varnishes - Corrosion protection by protective paint systems - Assessment of porosity in a dry film (ISO 29601:2026)

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. 07/26

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 29601

April 2026

ICS 87.020

Supersedes EN ISO 29601:2011

English Version

**Paints and varnishes - Corrosion protection by protective
paint systems - Assessment of porosity in a dry film (ISO
29601:2026)**

Peintures et vernis Anticorrosion par systèmes de
peinture - Évaluation de la porosité d'un feuil sec (ISO
29601:2026)

Beschichtungsstoffe - Korrosionsschutz durch
Beschichtungssysteme - Beurteilung der Porosität
einer trockenen Beschichtung (ISO 29601:2026)

This European Standard was approved by CEN on 27 April 2026.

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EN ISO 29601:2026 (E)

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European foreword

This document (EN ISO 29601:2026) has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" in collaboration with Technical Committee CEN/TC 139 "Paints and varnishes" the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by October 2026, and conflicting national standards shall be withdrawn at the latest by October 2026.

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 29601:2011.

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.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Endorsement notice

The text of ISO 29601:2026 has been approved by CEN as EN ISO 29601:2026 without any modification.



International Standard

ISO 29601

Paints and varnishes — Corrosion protection by protective paint systems — Assessment of porosity in a dry film

*Peintures et vernis — Anticorrosion par systèmes de peinture —
Évaluation de la porosité d'un feuil sec*

**Second edition
2026-04**

ISO 29601:2026(en)



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ISO 29601:2026(en)**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 document 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 35, *Paints and varnishes*, Subcommittee SC 14, *Protective paint systems for steel structures*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 139, *Paints and varnishes*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 29601:2011), which has been technically revised.

The main changes are as follows:

- general (editorial) update of terminology;
- update on cleaning procedure before measurement;
- update on verification of test equipment;
- update on voltage calculation;
- low voltage measurement was confirmed.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

ISO 29601:2026(en)**Introduction**

This document supplements the ISO 12944 series with regard to the detection of porosity in a dry film. If specified or agreed, this document can also be used for other applications.

The objective of this document is to achieve uniformity of practice for the detection of porosity in a dry film. The methods chosen entail the detection of porosity using one of two types of equipment, a low-voltage pinhole detector or a high-voltage holiday detector.

This document complements the following International Standards:

- ISO 19840, which concerns the measurement of the thickness of dry films on rough surfaces;
- ISO 16276-1, which concerns the measurement of the adhesion of a coating by pull-off testing;
- ISO 16276-2, which concerns the measurement of the adhesion by cross-cut and X-cut testing.

Paints and varnishes — Corrosion protection by protective paint systems — Assessment of porosity in a dry film

1 Scope

This document specifies procedures for detecting the presence of porosity in a protective paint system of any thickness on a steel or other metallic substrate. The procedures given in this document are based on methods using two different types of test equipment, the choice of equipment depending on the dry-film thickness. These procedures are only applicable to the testing of electrically non-conductive parts of a paint system.

The test methods specified are mainly intended for use with new coatings, but can also be used for coatings which have been in service for some time. In the latter case, it is important to bear in mind that the coating can have been penetrated by substances in contact with the coating during service.

2 Normative references

There are no normative references in this document.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN