ICS 87.040 SLOVENSKÁ TECHNICKÁ NORMA Február 2024

STN	**Náterové látky Stanovenie hustoty Časť 3: Oscilačná metóda (ISO 2811-3: 2023)**	**STN EN ISO 2811-3 67 3012**

Paints and varnishes - Determination of density - Part 3: Oscillation method (ISO 2811-3:2023)

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. 01/24

Obsahuje: EN ISO 2811-3:2023, ISO 2811-3:2023

Oznámením tejto normy sa ruší
STN EN ISO 2811-3 (67 3012) z novembra 2011

137966

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 2811-3

November 2023

ICS 87.040

Supersedes EN ISO 2811-3:2011

English Version

Paints and varnishes - Determination of density - Part 3: Oscillation method (ISO 2811-3:2023)

Peintures et vernis - Détermination de la masse volumique - Partie 3: Méthode par oscillation (ISO 2811-3:2023)

Beschichtungsstoffe - Bestimmung der Dichte - Teil 3: Schwingungsverfahren (ISO 2811-3:2023)

This European Standard was approved by CEN on 2 July 2023.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Ref. No. EN ISO 2811-3:2023 E

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European foreword

This document (EN ISO 2811-3:2023) 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of an identical text or by endorsement, at the latest by May 2024, and conflicting national standards shall be withdrawn at the latest by May 2024.

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 2811-3:2011.

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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 2811-3:2023 has been approved by CEN as EN ISO 2811-3:2023 without any modification.

INTERNATIONAL STANDARD

ISO 2811-3

Third edition
2023-10

Paints and varnishes — Determination of density —

Part 3: Oscillation method

Peintures et vernis — Détermination de la masse volumique —

Partie 3: Méthode par oscillation

Reference number
ISO 2811-3:2023(E)

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Published in Switzerland

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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 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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

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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 9, *General test methods for paints and varnishes,* 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 third edition cancels and replaces the second edition (ISO 2811-3:2011), which has been technically revised.

The main changes are as follows:

— a requirement has been added to 8.2, to de-aerate the sample prior to the determination in order to achieve reproducible results for the density;

— Table B.3 has been deleted;

— a bibliography has been added.

A list of all parts in the ISO 2811 series can be found on the ISO website.

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INTERNATIONAL STANDARD **ISO 2811-3:2023(E)**

Paints and varnishes — Determination of density —

Part 3: Oscillation method

1 Scope

This document specifies a method for determining the density of paints, varnishes and related products using an oscillator.

The method is suitable for all materials, including paste-like coatings. If a pressure-resistant type of apparatus is used, the method is also applicable to aerosols.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1513, *Paints and varnishes — Examination and preparation of test samples*

ISO 15528, *Paints, varnishes and raw materials for paints and varnishes — Sampling*