



**NSAI**  
Standards

Irish Standard  
I.S. EN ISO 2812-3:2019

Paints and varnishes - Determination of resistance to liquids - Part 3: Method using an absorbent medium (ISO 2812-3:2019)

**I.S. EN ISO 2812-3:2019**

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## National Foreword

I.S. EN ISO 2812-3:2019 is the adopted Irish version of the European Document EN ISO 2812-3:2019, Paints and varnishes - Determination of resistance to liquids - Part 3: Method using an absorbent medium (ISO 2812-3:2019)

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EUROPEAN STANDARD

EN ISO 2812-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2019

ICS 87.040

Supersedes EN ISO 2812-3:2012

English Version

Paints and varnishes - Determination of resistance to liquids - Part 3: Method using an absorbent medium (ISO 2812-3:2019)

Peintures et vernis - Détermination de la résistance aux liquides - Partie 3: Méthode utilisant un milieu absorbant (ISO 2812-3:2019)

Beschichtungsstoffe - Bestimmung der Beständigkeit gegen Flüssigkeiten - Teil 3: Verfahren mit einem saugfähigen Material (ISO 2812-3:2019)

This European Standard was approved by CEN on 9 April 2019.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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## **European foreword**

This document (EN ISO 2812-3:2019) 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 November 2019, and conflicting national standards shall be withdrawn at the latest by November 2019.

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 2812-3:2012.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## **Endorsement notice**

The text of ISO 2812-3:2019 has been approved by CEN as EN ISO 2812-3:2019 without any modification.

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**INTERNATIONAL  
STANDARD**

**ISO  
2812-3**

Third edition  
2019-04

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**Paints and varnishes — Determination  
of resistance to liquids —**

**Part 3:  
Method using an absorbent medium**

*Peintures et vernis — Détermination de la résistance aux liquides —  
Partie 3: Méthode utilisant un milieu absorbant*



Reference number  
ISO 2812-3:2019(E)

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**ISO 2812-3:2019(E)**



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## ISO 2812-3:2019(E)

### 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](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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](http://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*.

This third edition cancels and replaces the second edition (ISO 2812-3:2012), of which it constitutes a minor revision. The changes compared to the previous edition are as follows:

- [Clause 3](#) for terms and definitions has been added;
- in [Annex A](#), the CAS numbers have been added to the reagents listed.

A list of all parts in the ISO 2812 series can be found on the ISO website.

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](http://www.iso.org/members.html).

# Paints and varnishes — Determination of resistance to liquids —

## Part 3: Method using an absorbent medium

### 1 Scope

This document specifies a method, using an absorbent medium, for determining the resistance of an individual-layer or multi-layer system of coating materials to the effects of liquids or paste-like products.

This method enables the tester to determine the effects of the test substance on the coating and, if necessary, to assess the damage to the substrate.

### 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 1514, *Paints and varnishes — Standard panels for testing*

ISO 2808, *Paints and varnishes — Determination of film thickness*

ISO 4618, *Paints and varnishes — Terms and definitions*

ISO 4628-1, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 1: General introduction and designation system*

ISO 4628-2, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 2: Assessment of degree of blistering*

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

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4618 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

### 4 Principle

A coated test panel is exposed to one or more test substances by using an absorbent medium. The effects of the exposure are assessed in accordance with agreed criteria.

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