



# SLOVENSKI STANDARD

## SIST EN ISO 2812-1:1997

01-december-1997

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Paints and varnishes - Determination of resistance to liquids - Part 1: General methods  
(ISO 2812-1:1993)

Lacke und Anstrichstoffe - Bestimmung der Beständigkeit gegen Flüssigkeiten - Teil 1:  
Allgemeine Verfahren (ISO 2812-1:1993)

Peintures et vernis - Détermination de la résistance aux liquides - Partie 1: Méthodes  
générales (ISO 2812-1:1993)

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Ta slovenski standard je istoveten z: EN ISO 2812-1:1994

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### ICS:

87.040

Barve in laki

Paints and varnishes

**SIST EN ISO 2812-1:1997**

**en**

## **iTeh STANDARD PREVIEW** **(standards.iteh.ai)**

SIST EN ISO 2812-1:1997

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EUROPEAN STANDARD

EN ISO 2812-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 1994

UDC 667.613.3:620.198

Descriptors: Paints, varnishes, tests, chemical tests, determination, chemical resistance, liquids

English version

**Paints and varnishes - Determination of resistance  
to liquids - Part 1: General methods  
(ISO 2812-1:1993)**

Peintures et vernis - Détermination de la  
résistance aux liquides - Partie 1: Méthodes  
générales (ISO 2812-1:1993)

Lacke und Anstrichstoffe - Bestimmung der  
Beständigkeit gegen Flüssigkeiten - Teil 1:  
Allgemeine Verfahren (ISO 2812-1:1993)

This European Standard was approved by CEN on 1994-08-22. 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 Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

## Foreword

This European Standard has been taken over by the Technical Committee CEN/TC 139 "Paints and varnishes" from the work of ISO/TC 35 "Paints and varnishes" of the International Organization for Standardization (ISO).

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 February 1995, and conflicting national standards shall be withdrawn at the latest by February 1995.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

## Endorsement notice

The text of the International Standard ISO 2812-1:1993 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in annex ZA (normative)

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<https://standards.iteh.ai/catalog/standards/sist/9311877f-7421-4dd6-bd4a-c9bc5f382081/sist-en-iso-2812-1-1997>

**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).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 1512	1991	Paints and varnishes - Sampling of products in liquid or paste form	EN 21512	1994
ISO 1513	1982	Paints and varnishes - Examination and preparation of samples for testing	EN ISO 1513	1994

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# INTERNATIONAL STANDARD

**ISO**  
**2812-1**

First edition  
1993-03-01

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

### **Part 1:** General methods

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

*Peintures et vernis — Détermination de la résistance aux liquides —*

*Partie 1. Méthodes générales*

<https://standards.iteh.ai/catalog/standards/sist/9311877f-7421-4dd6-bd4a-c9bc5f382081/sist-en-iso-2812-1-1997>



Reference number  
ISO 2812-1:1993(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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 2812-1 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Sub-Committee SC 9, *General test methods for paints and varnishes*.

ISO 2812 consists of the following parts, under the general title *Paints and varnishes* — *Determination of resistance to liquids*:

- *Part 1: General methods*
- *Part 2: Water immersion method*

This part of ISO 2812 cancels and replaces ISO 2812:1974, of which it constitutes an editorial and minor technical revision.

Annex A forms an integral part of this part of ISO 2812.

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International Organization for Standardization  
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# Paints and varnishes — Determination of resistance to liquids —

## Part 1: General methods

### 1 Scope

**1.1** This part of ISO 2812 is one of a series of standards dealing with the sampling and testing of paints, varnishes and related products.

It specifies general methods for determining the resistance of a single-coat film or a multi-coat system of paints or related products to the action of liquids.

Three methods of test are specified. The method to be used depends on the particular requirements of the test material. Method 1 is intended for more resistant coatings requiring longer periods of exposure than those which may be tested by method 2 or method 3.

**1.2** The methods enable the effect of the test liquid on the coating and, where necessary, deterioration of the substrate, to be assessed.

### 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 2812. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 2812 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1512:1991, *Paints and varnishes — Sampling of products in liquid or paste form.*

ISO 1513:1992, *Paints and varnishes — Examination and preparation of samples for testing.*

ISO 1514:<sup>1)</sup>, *Paints and varnishes — Standard panels for testing.*

ISO 2808:1991, *Paints and varnishes — Determination of film thickness.*

ISO 4628-2:1982, *Paints and varnishes — Evaluation of degradation of paint coatings — Designation of intensity, quantity and size of common types of defect — Part 2: Designation of degree of blistering.*

### 3 Principle

A coated test panel is exposed to a liquid by one of three specified methods, as appropriate, and the effects of exposure are evaluated by criteria agreed in advance between the interested parties, these criteria usually being of a subjective nature.

### 4 Required supplementary information

For any particular application, the test methods specified in this part of ISO 2812 need to be completed by supplementary information. The items of supplementary information are given in annex A.

1) To be published. (Revision of ISO 1514:1984)