
6 Ufj Y]b`U_]!`I [cHj `Ub`Y` UgUi dcfUVbcgh`a YyUb]W`Xj c_ca dcbYb]b]` hY_c]\
g]ghYa cj `!`Df]dfUj U]b`_cbX]W]cb]fUb`Y`j ncfW]j `hYf`j cX]`UnUdfYg_i yUb`Y`f]GC
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Paints and varnishes - Determination of the pot-life of liquid systems - Preparation and conditioning of samples and guidelines for testing (ISO 9514:1992)

Lacke und Anstrichstoffe - Bestimmung der Topfzeit von flüssigen Systemen - Vorbereitung und Konditionierung von Proben und Richtlinien für die Prüfung (ISO 9514:1992)

Peintures et vernis - Détermination du délai maximal d'utilisation apres mélange des peintures liquides - Préparation et conditionnement des échantillons et lignes directrices pour les essais (ISO 9514:1992)

Ta slovenski standard je istoveten z: EN ISO 9514:1994

ICS:

87.040 Barve in laki Paints and varnishes

SIST EN ISO 9514:1997**en**

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EUROPEAN STANDARD

EN ISO 9514

NORME EUROPÉENNE

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August 1994

UDC 667.612.3:620.16

Descriptors: Paints, varnishes, tests, determinations, life (durability), test specimens, specimen preparation

English version

**Paints and varnishes - Determination of the
pot-life of liquid systems - Preparation and
conditioning of samples and guidelines for testing
(ISO 9514:1992)**

Peintures et vernis - Détermination du délai maximal d'utilisation après mélange des peintures liquides - Préparation et conditionnement des échantillons et lignes directrices pour les essais (ISO 9514:1992)

Lacke und Anstrichstoffe - Bestimmung der Topfzeit von flüssigen Systemen - Vorbereitung und Konditionierung von Proben und Richtlinien für die Prüfung (ISO 9514:1992)

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LJUBLJANA
EN ISO 9514
STANDARDIZACIJSKI VEŠTNIK

-12- 0007

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

Page 2
EN ISO 9514:1994

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 9514:1992 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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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	1992	Paints and varnishes - Examination and preparation of samples for testing	EN ISO 1513	1994
ISO 3270	1984	Paints and varnishes and their raw Materials - Temperatures and humidities for conditioning and testing	EN 23270	1991

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INTERNATIONAL STANDARD

ISO
9514

First edition
1992-12-15

Paints and varnishes — Determination of the pot-life of liquid systems — Preparation and conditioning of samples and guidelines for testing

iTeh STANDARD PREVIEW
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*Peintures et vernis — Détermination du délai maximal d'utilisation après
mélange des peintures liquides — Préparation et conditionnement des
échantillons et lignes directrices pour les essais*

<https://standards.iteh.ai/catalog/standards/sist-en-iso-9514-1997>



Reference number
ISO 9514:1992(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 9514 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Sub-Committee SC 9, *General test methods for paints and varnishes*.

Annex A forms an integral part of this International Standard. Annexes B and C are for information only.

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[32445a3e3d3f/iso-9514-1997](https://standards.iteh.ai/catalog/standards/sist/17dd9102-1321-43cf-a931-32445a3e3d3f/iso-9514-1997)

Paints and varnishes — Determination of the pot-life of liquid systems — Preparation and conditioning of samples and guidelines for testing

1 Scope

This International Standard is one of a series of standards dealing with the sampling and testing of paints, varnishes and related products.

This International Standard specifies a method, carried out under standard conditions, for preparing and storing a sample so that its pot-life may be assessed by measuring a particular property.

Reactive systems curing within a 3-h period of time will have the end of their pot-life so near to the gel point that they will need to be tested for that particular property in accordance with ISO 2535[2].

Special "low-temperature" grades, curing within 3 h under standard conditions, will need to be tested at a lower specified temperature, so that it is possible to investigate particular properties, as required.

The value obtained may be subject to modification by suppliers for practical reasons (e.g. starting temperature) when giving advice to users and should then be called the "practical pot-life".

The method may be carried out

- either as a pass/fail test by determining the particular property after a specified period of time, or
- as determination of the pot-life by repeating determinations at convenient intervals of time.

This International Standard is not intended for *in situ* control on products during their application. It is intended to determine "pot-life" in the laboratory.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publi-

cation, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard 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 3270:1984, *Paints and varnishes and their raw materials — Temperatures and humidities for conditioning and testing.*

ISO 4618-1:1984, *Paints and varnishes — Vocabulary — Part 1: General terms.*

3 Definition

For the purposes of this International Standard, the following definition applies.

3.1 pot-life: Maximum time during which a product supplied as separate components should be used after they have been mixed together.

[ISO 4618-1:1984]

NOTE 1 It is important that, in this definition, the words "should be used" are understood to refer to the application properties of the reactive system under test as well as the properties of the dried film.

4 Principle

The components of the reactive system are conditioned separately and then mixed; the blend is allowed to stand for specified period(s) of time under nearly adiabatic conditions (see note 3). Sub-