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EUROPEAN STANDARD

EN 21512

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 1994

UDC 667.6:620.11

Descriptors: Paints, varnishes, sampling

English version

**Paints and varnishes - Sampling of products in
liquid or paste form (ISO 1512:1991)**

Peintures et vernis - Echantillonnage des
produits sous forme liquide ou en pâte
(ISO 1512:1991)

Lacke und Anstrichstoffe - Probenahme von
flüssigen oder pastenförmigen Produkten
(ISO 1512:1991)

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REPUBLIKA SLOVENIJA

MINISTRSTVO ZA ZNANOST IN TEHNOLOGIJO

Urad RS za standardizacijo in meroslovje

LJUBLJANA

SIST..... **EN 21512**

PREVZET PO METODI RAZGLASITVE

-12- 1997

This European Standard was approved by CEN on 1994-01-14. 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

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Foreword

The Technical Committee CEN/TC 139 "Paints and varnishes" decided to submit the International Standard:

"Paints and varnishes - Sampling of products in liquid or paste form (ISO 1512:1991)"

to the Unique Acceptance Procedure (UAP).

The result of the Unique Acceptance Procedure (UAP) was positive.

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of an identical text or by endorsement, at the latest by July 1994, and conflicting national standards shall be withdrawn at the latest by July 1994.

In accordance with 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 and United Kingdom.

Endorsement notice

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The text of the International Standard ISO 1512:1991 was approved by CEN as a European Standard without any modification.

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

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 1513	1980	Paints and varnishes - Examination and preparation of samples for testing	21513	1991

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INTERNATIONAL STANDARD

**ISO
1512**

Second edition
1991-12-01

Paints and varnishes — Sampling of products in liquid or paste form

*Peintures et vernis — Échantillonnage des produits sous forme liquide
ou en pâte*

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Reference number
ISO 1512:1991(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 1512 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Sub-Committee SC 9, *General test methods for paints and varnishes*.

This second edition cancels and replaces the first edition (ISO 1512:1974). This edition of ISO 1512 differs from the previous edition by specifically excluding the sampling of coating powders and by including an abbreviated procedure (see 8.2.1.2) when the containers to be sampled are from a single batch. The safety precautions to be considered have also been revised.

Annex A of this International Standard is for information only.

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International Organization for Standardization
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Introduction

This International Standard is one of a series of standards dealing with the sampling and testing of paints, varnishes and related products in liquid or paste form. It does not deal with procedures for the sampling of raw materials used in the manufacture of paints and varnishes: these are described in ISO 842 (see annex A). Also it does not describe the sampling of paints in powder form (coating powders).

Correct sampling is a skilled operation and the various procedures require to be carried out with great care by operators having the required knowledge and experience. The general instructions in this International Standard are intended to supplement this knowledge and experience and are applicable to most situations. However, some products may require special sampling precautions that are not given in this International Standard and therefore special vigilance will be necessary on the part of operators to take note of any unusual characteristics exhibited by those products. It is also essential that operators adhere to any special precautions in accordance with product specifications and national safety regulations.

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Paints and varnishes — Sampling of products in liquid or paste form

1 Scope

This International Standard describes methods for sampling paints, varnishes and related products in liquid or paste form that will provide uniform samples that are of convenient size and adequately represent the product to be tested. The sample or samples so obtained are suitable for examination and preparation in accordance with ISO 1513 prior to testing.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was 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 edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1513:1980, *Paints and varnishes — Examination and preparation of samples for testing*.

3 Definition

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

3.1 batch: The quantity of liquid paint or paste, produced in the final mixing operation after the completion of all production processes, in one large vessel from which smaller containers may be filled for distribution and marketing.

4 Health and safety precautions

4.1 This standard calls for the use of substances and/or procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and in no way absolves the user from statutory obligations relating to health and safety at any stage.

4.2 Particular attention is drawn to the following hazards of sampling paints, varnishes and related products although this list may not necessarily be exhaustive. These hazards include, in addition to explosions and flammability, toxicity by inhalation and/or absorption by the skin. Operators shall always be informed of known dangers and shall be advised to handle such products with due care, using protective equipment where necessary. Attention is drawn to national regulations and requirements concerning safety and hygiene.

5 Types of paints, varnishes and related products

The sampling procedures appropriate for use with paints, varnishes and related products depend on the nature and the physical properties of the products. The following types of product may conveniently be distinguished.

Type A: Fluid products consisting of a single homogeneous liquid phase.

Type B: Fluid products consisting of two liquid phases, such as emulsions.

Type C: Fluid products consisting of one or two liquid phases together with one or more solid phases. Such products are commonly called "paints" but may include enamels, lacquers, some varnishes, etc.

Types D: Viscous products consisting of one or more solid phases with small amounts of a liquid