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

*Peintures, vernis et matières premières pour peintures et vernis —  
Échantillonnage*



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Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

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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 documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. [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. [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.

The committee responsible for this document is ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

This second edition cancels and replaces the first edition (ISO 15528:2000), which has been technically revised. The main changes are:

- a) the detailed information on how to achieve homogeneity of the product to be sampled was removed;
- b) the sampling procedure for large containers and small containers was merged;
- c) the information on the minimum number of containers to be sampled was removed;
- d) definitions for middle sample and all-layer sample were added.

## Introduction

Sampling depends on the product and the size of the container but not on the type of product, e.g. paint, varnish, binder, pigment, extender or solvent. ISO 1513, [1] specifies both the procedure for preliminary examination of a single sample as received for testing, and the procedure for preparing a test sample by blending and reduction of a series of samples representative of a consignment of paint, varnish or related product. The samples of the product to be tested have been taken in accordance with this document.

Correct sampling forms the basis for the subsequent tests and their results. The various sampling procedures need 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 might require special sampling precautions that are not given in this International Standard; 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.



# Paints, varnishes and raw materials for paints and varnishes — Sampling

## 1 Scope

This International Standard specifies procedures for the sampling of paints, varnishes and raw materials used in their manufacture. Such products include liquids and materials which, without undergoing chemical modification, are capable of being liquefied when heated up, and powdered, granulated and pasty materials. Samples may be taken from containers, e.g. cans, drums, tanks, tank wagons or ships' tanks, as well as from barrels, sacks, big-bags, silos or silo wagons, or from conveyor belts.

This International Standard does not deal with the sample preparation for testing or reduction of the samples thus taken. This is dealt with in ISO 1513.<sup>[1]</sup>

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

ISO 6206, *Chemical products for industrial use — Sampling — Vocabulary*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4618, ISO 6206 and the following apply.

### 3.1

#### **batch**

definite quantity of a material which was produced under uniform conditions

### 3.2

#### **lot**

total quantity of material which is to be sampled

Note 1 to entry: The lot may consist of a number of batches.

### 3.3

#### **individual sample**

that part of a product taken from a bulk material by one sampling operation

### 3.4

#### **representative sample**

sample which complies, within the precision of the test methods used, in all of its characteristic features with the material sampled

### 3.5

#### **average sample**

mixture of equivalent portions of individual samples

### 3.6

#### **top sample**

individual sample taken at or near the surface of a material