

SLOVENSKI STANDARD

SIST EN ISO 1517:1997

01-december-1997

Barve in laki - Preskušanje površinskega sušenja - Metoda po Ballotiniju (ISO 1517:1973)

Paints and varnishes - Surface-drying test - Ballotini method (ISO 1517:1973)

Lacke und Anstrichstoffe - Prüfung auf Oberflächentrocknung - Glasperlen-Verfahren (ISO 1517:1973)

Peintures et vernis - Détermination de la durée de séchage en surface - Méthode aux billes en verre (ISO 1517:1973)

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Ta slovenski standard je istoveten z: EN ISO 1517:1995

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ICS:

87.040

Barve in laki

Paints and varnishes

SIST EN ISO 1517:1997

en

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EUROPEAN STANDARD

EN ISO 1517

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 1995

ICS 87.040

Descriptors: paints, varnishes, tests, drying

English version

**Paints and varnishes - Surface-drying test -
Ballotini method (ISO 1517:1973)**

Peintures et vernis - Détermination de la durée
de séchage en surface - Méthode aux billes en
verre (ISO 1517:1973)

Lacke und Anstrichstoffe - Prüfung auf
Oberflächentrocknung - Glasperlen-Verfahren
(ISO 1517:1973)

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This European Standard was approved by CEN on 1995-01-05. 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 September 1995, and conflicting national standards shall be withdrawn at the latest by September 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 1517:1973 was approved by CEN as a European Standard without any modification.

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

[SIST EN ISO 1517:1997](https://standards.iteh.ai/catalog/standards/sist/8dde4778-94a3-412e-8543-65670d87a22d/sist-en-iso-1517-1997)

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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	1991	Paints and varnishes - Examination and preparation of samples for testing	EN ISO 1513	1994
ISO 1514	1984	Paints and varnishes - Standard panels for testing (Modified)	EN 605	1992

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INTERNATIONAL STANDARD



1517

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Paints and varnishes — Surface-drying test — Ballotini method

First edition — 1973-12-15

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UDC 667.612.8

Ref. No. ISO 1517-1973 (E)

Descriptors : paints, varnishes, tests, drying.

Price based on 2 pages

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, International Standard ISO 1517 replaces ISO Recommendation R 1517-1970 drawn up by Technical Committee ISO/TC 35, *Paints and varnishes*. [SIST EN ISO 1517:1997](https://standards.iteh.ai/catalog/standards/sist/8dde4778-94a3-412e-8543-675218100000/iso-1517-1970)

The Member Bodies of the following countries approved the Recommendation: 1997
<https://standards.iteh.ai/catalog/standards/sist/8dde4778-94a3-412e-8543-675218100000/iso-1517-1970>

Australia	Iran	South Africa, Rep. of
Austria	Ireland	Spain
Denmark	Israel	Sweden
Egypt, Arab Rep. of	Italy	Switzerland
France	Netherlands	Turkey
Germany	Peru	United Kingdom
Greece	Poland	U.S.S.R.
India	Portugal	

No Member Body expressed disapproval of the Recommendation.

Paints and varnishes — Surface-drying test — Ballotini method

0 INTRODUCTION

This International Standard is one of a series dealing with the sampling and testing of paints, varnishes and related products. It should be read in conjunction with ISO 1512, ISO 1513 and ISO 1514.

The method of test specified requires to be completed, for any particular application, by the following supplementary information. This information should be derived from the national standard or other document for the material under test or, where appropriate, should be the subject of agreement between the interested parties.

- a) Nature and surface preparation of substrate.
- b) Method of application of test coating to substrate.
- c) Thickness, in micrometres, of the dry coating, including method of measurement, and whether it is a single coating or a multicoat system.
- d) Duration and conditions of drying of primer and/or undercoat before testing.
- e) Duration of drying before testing, if applicable.

1 SCOPE AND FIELD OF APPLICATION

1.1 This International Standard specifies a method for determining the surface-drying characteristics of a coating of a paint or varnish which dries by the action of air or by chemical reaction of its components.

The method is not intended to apply to stoving products.

1.2 The method described may be carried out

either as a “go/no go” test, by determining the surface-drying state after a specified time, to assess compliance with a particular requirement,

or by determining the surface-drying state at suitable intervals until the surface-drying time is obtained.

2 REFERENCES

ISO 1512, *Paints and varnishes — Sampling.*

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

ISO 1514, *Paints and varnishes — Standard panels for testing.*

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

3 DEFINITIONS

3.1 surface-drying state : General term describing the state of the surface of a coating of paint or varnish, i.e. whether “surface-dry” or not.

3.2 surface-dry : Surface-drying state of a coating of paint or varnish when ballotini can be lightly brushed away without damaging the surface of the coating.

3.3 surface-drying time : Period of time between that at which a coating of paint or varnish is applied to a prepared test panel and that at which the coating is assessed as just surface-dry by the test procedure specified in clause 7.

4 APPARATUS

4.1 Ballotini (small transparent glass spheres).

The material shall be obtained by sieving from a suitable commercial grade of ballotini and shall be graded so that none passes a sieve of nominal mesh aperture 125 μm and all passes a sieve of nominal mesh aperture 250 μm .

4.2 Brush, soft-haired.

4.3 Stop-watch or **stop-clock**.