



NSAI
Standards

Irish Standard
I.S. EN ISO 9117-3:2010

Paints and varnishes - Drying tests - Part 3: Surface-drying test using ballotini (ISO 9117-3:2010)

I.S. EN ISO 9117-3:2010

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English Version

Paints and varnishes - Drying tests - Part 3: Surface-drying test using ballotini (ISO 9117-3:2010)

Peintures et vernis - Essais de séchage - Partie 3: Essai de séchage en surface à l'aide de billes de verre (ISO 9117-3:2010)

Beschichtungsstoffe - Trocknungsprüfungen - Teil 3: Prüfung der Oberflächentrocknung mit Glasperlen (ISO 9117-3:2010)

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Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN ISO 9117-3:2010) has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" in collaboration with Technical Committee CEN/TC 139 "Paints and varnishes", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by September 2010, and conflicting national standards shall be withdrawn at the latest by September 2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 9117-3:2010 has been approved by CEN as a EN ISO 9117-3:2010 without any modification.

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I.S. EN ISO 9117-3:2010
**INTERNATIONAL
STANDARD**

**ISO
9117-3**

First edition
2010-03-01

**Paints and varnishes — Drying tests —
Part 3:
Surface-drying test using ballotini**

Peintures et vernis — Essais de séchage —

Partie 3: Essai de séchage en surface à l'aide de billes de verre



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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
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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

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.

ISO 9117-3 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

This first edition of ISO 9117-3 cancels and replaces ISO 1517:1973, which has been technically revised. The main changes are as follows:

- a) the method has been integrated into the ISO 9117 series as Part 3, for determination of the drying of paints and varnishes;
- b) a “principle” clause has been added;
- c) text from the former introduction listing supplementary information has been integrated into the test report.

ISO 9117 consists of the following parts, under the general title *Paints and varnishes — Drying tests*:

— *Part 1: Determination of through-dry state and through-dry time*

— *Part 2: Pressure test for stackability*

— *Part 3: Surface-drying test using ballotini*

The following parts are under preparation:

— *Part 4: Test using a mechanical recorder*

— *Part 5: Modified Bandow-Wolff test*

Paints and varnishes — Drying tests —

Part 3: Surface-drying test using ballotini

1 Scope

This part of ISO 9117 specifies a test 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.

The method described may be carried out:

- as a “go/no go” test, by determining the surface-drying state after a specified time, to assess compliance with a particular requirement;
- by determining the surface-drying state at suitable intervals until the surface-drying time is obtained.

2 Normative references

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

ISO 1513, *Paints and varnishes — Examination and preparation of test samples*

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

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

ISO 15528, *Paints, varnishes and raw materials for paints and varnishes — Sampling*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

surface-drying state

condition of a surface of a coating of paint or varnish determining whether it is dry or not

3.2

surface-dry

state of a coating of paint or varnish when ballotini can be lightly brushed away without damaging the surface of the coating

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