

**Paints and varnishes - Drying tests - Part 1:
Determination of through-dry state and through-dry time**

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 9117-1:2009 sisaldab Euroopa standardi EN ISO 9117:2009 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 30.11.2009 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 15.05.2009.

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This Estonian standard EVS-EN ISO 9117-1:2009 consists of the English text of the European standard EN ISO 9117:2009.

This standard is ratified with the order of Estonian Centre for Standardisation dated 30.11.2009 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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English Version

Paints and varnishes - Drying tests - Part 1: Determination of
through-dry state and through-dry time (ISO 9117-1:2009)

Peintures et vernis - Essais de séchage - Partie 1:
Détermination du séchage à coeur et du temps de séchage
à coeur (ISO 9117-1:2009)

Beschichtungsstoffe - Trocknungsprüfungen - Teil 1:
Bestimmung des Durchtrochnungszustandes und der
Durchtrochnungszeit (ISO 9117-1:2009)

This European Standard was approved by CEN on 23 April 2009.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

This document (EN ISO 9117-1:2009) 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of an identical text or by endorsement, at the latest by November 2009, and conflicting national standards shall be withdrawn at the latest by November 2009.

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Endorsement notice

The text of ISO 9117-1:2009 has been approved by CEN as a EN ISO 9117-1:2009 without any modification.

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Paints and varnishes — Drying tests —

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

1 Scope

This part of ISO 9117 specifies a test method for determining under standard conditions whether a single coat or a multi-coat system of paint, varnish or related material has reached the through-dry state after a specified drying period.

NOTE The test procedure may also be used to determine the time taken to achieve that state.

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 48, *Rubber, vulcanized or thermoplastic — Determination of hardness (hardness between 10 IRHD and 100 IRHD)*

ISO 1513, *Paints and varnishes — 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, definitions and abbreviated terms

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

3.1

IRHD scale

international rubber hardness degree scale

3.2

through-dry state

condition of a film in which it is dry throughout its thickness

NOTE 1 The through-dry state should not be confused with the condition in which the surface of the film is dry but the bulk of the coating is still mobile.