



SLOVENSKI STANDARD
SIST EN ISO 14680-3:2006

01-april-2006

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Paints and varnishes - Determination of pigment content - Part 3: Filtration method (ISO 14680-3:2000)

Beschichtungsstoffe - Bestimmung des Pigmentgehaltes - Teil 3: Filtrationsverfahren (ISO 14680-3:2000)

Peintures et vernis - Détermination de la teneur en pigment - Partie 3: Méthode par filtration (ISO 14680-3:2000)

Ta slovenski standard je istoveten z: EN ISO 14680-3:2006

ICS:

87.060.10 Pigmenti in polnila Pigments and extenders

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 14680-3

February 2006

ICS 87.060.10

English Version

**Paints and varnishes - Determination of pigment content - Part
3: Filtration method (ISO 14680-3:2000)**

Peintures et vernis - Détermination de la teneur en pigment
- Partie 3: Méthode par filtration (ISO 14680-3:2000)

Beschichtungsstoffe - Bestimmung des Pigmentgehaltes -
Teil 3: Filtrationsverfahren (ISO 14680-3:2000)

This European Standard was approved by CEN on 16 January 2006.

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This European Standard exists 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 14680-3:2006 (E)**Foreword**

The text of ISO 14680-3:2000 has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 14680-3:2006 by 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 August 2006, and conflicting national standards shall be withdrawn at the latest by August 2006.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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The text of ISO 14680-3:2000 has been approved by CEN as EN ISO 14680-3:2006 without any modifications.

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INTERNATIONAL
STANDARD

ISO
14680-3

First edition
2000-04-01

**Paints and varnishes — Determination of
pigment content —
Part 3:
Filtration method**

*Peintures et vernis — Détermination de la teneur en pigment
Partie 3: Méthode par filtration*
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Reference number
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ISO 14680-3:2000(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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 part of ISO 14680 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 14680-3 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

ISO 14680 consists of the following parts, under the general title *Paints and varnishes — Determination of pigment content*:

— Part 1: *Centrifuge method*

— Part 2: *Ashing method*

— Part 3: *Filtration method*

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Paints and varnishes — Determination of pigment content —

Part 3: Filtration method

1 Scope

This part of ISO 14680 is one of a series of standards dealing with the sampling and testing of paints, varnishes and related products.

It specifies a method for determining the pigment content of paints in which potassium hydroxide solution is added to coagulate the pigment and the resulting solids filtered off. The method is particularly applicable to coating materials containing carbon black, very finely divided silicon dioxide, very finely divided titanium dioxide, organic pigments or polymer dispersions. It is not applicable to many water-dilutable paints because the whole binder will coagulate when the potassium hydroxide solution is added.

The pigment content of coating materials can also be determined by a centrifuge method (see ISO 14680-1) or by an ashing method (see ISO 14680-2).

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2 Normative references

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The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 14680. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 14680 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 1513:1992, *Paints and varnishes — Examination and preparation of samples for testing*.

ISO 15528:—¹⁾, *Paints, varnishes and raw materials for paints and varnishes — Sampling*.

3 Term and definition

For the purposes of this part of ISO 14680, the following term and definition apply.

3.1

pigment content, determined by filtration

the proportion by mass of solid particles which is left behind as a residue on filtration under specified conditions in the product under test

NOTE It includes pigments, extenders and other solid constituents of the product.

1) To be published. (Revision of ISO 842:1984 and ISO 1512:1991)