



SLOVENSKI STANDARD

SIST EN ISO 7143:2004

01-julij-2004

Paints, varnishes and binders - Methods of test for characterizing water-based coating materials and binders (ISO 7143:2000)

Paints, varnishes and binders - Methods of test for characterizing water-based coating materials and binders (ISO 7143:2000)

Beschichtungsstoffe und Bindemittel - Prüfverfahren zur Charakterisierung von wasserverdünnbaren Beschichtungsstoffen und Bindemitteln (ISO 7143:2000)

Peintures, vernis et liants - Méthodes d'essai pour caractériser les produits de peinture et liants a base d'eau (ISO 7143:2000)

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Ta slovenski standard je istoveten z: EN ISO 7143:2004

ICS:

87.060.20 Veziva Binders

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ICS 87.060.20

English version

Paints, varnishes and binders - Methods of test for
characterizing water-based coating materials and binders (ISO
7143:2000)

Peintures, vernis et liants - Méthodes d'essai pour
caractériser les produits de peinture et liants à base d'eau
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Beschichtungsstoffe und Bindemittel - Prüfverfahren zur
Charakterisierung von wasserverdünnbaren
Beschichtungsstoffen und Bindemitteln (ISO 7143:2000)

This European Standard was approved by CEN on 8 April 2004.

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 Management Centre or to any CEN member.

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 Management Centre 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, 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

Foreword

The text of ISO 7143:2000 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 7143:2004 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 November 2004, and conflicting national standards shall be withdrawn at the latest by November 2004.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of ISO 7143:2000 has been approved by CEN as EN ISO 7143:2004 without any modifications.

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NOTE Normative references to International Standards are listed in Annex ZA (normative).

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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).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 2811-1	1997	Paints and varnishes - Determination of density - Part 1: Pyknometer method	EN ISO 2811-1	2001
ISO 3219	1993	Plastics - Polymers/resins in the liquid state or as emulsions or dispersions - Determination of viscosity using a rotational viscometer with defined shear rate	EN ISO 3219	1994
ISO 15528	2000	Paints, varnishes and raw materials for paints and varnishes - Sampling	EN ISO 15528	2000

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**Paints, varnishes and binders — Methods
of test for characterizing water-based
coating materials and binders**

*Peintures, vernis et liants — Méthodes d'essai pour caractériser les
produits de peinture et liants à base d'eau*

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

International Standard ISO 7143 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 10, *Test methods for binders for paints and varnishes*.

This second edition cancels and replaces the first edition (ISO 7143:1982), which has been technically revised.

The major changes are that the scope has been enlarged to include not only aqueous solutions of polymers and copolymers used as raw materials for water-based coating materials, but also the water-based coating materials themselves. The following properties have been added: gross (large) particle content by sieve analysis, glass transition temperature, residual monomers, particle size distribution and MEQ value. The following properties have been deleted: white-point temperature and freeze-thaw cycle stability.

Readers should note that ISO 12000 gives definitions relative to polymer dispersions and latices and identifies the test methods applicable to the determination of their properties. ISO 12000 covers both aqueous and non-aqueous polymer dispersions and products of synthetic and natural origin, including synthetic rubber latices. It was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*, in close collaboration with ISO/TC 45, *Rubber and rubber products*.