



SLOVENSKI STANDARD SIST EN ISO 2114:2002

01-september-2002

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SIST EN ISO 2114:2000
SIST EN ISO 3682:1998

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Plastics (polyester resins) and paints and varnishes (binders) - Determination of partial acid value and total acid value (ISO 2114:2000)

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Kunststoffe (Polyester) und Beschichtungsstoffe (Bindemittel) -Bestimmung der partiellen Säurezahl und der Gesamtsäurezahl (ISO 2114:2000)

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Plastiques (résines de polyesters) et peintures et vernis (liants) - Détermination de l'indice d'acide partiel et de l'indice d'acide total (ISO 2114:2000)

Ta slovenski standard je istoveten z: EN ISO 2114:2000

ICS:

83.080.10 Duromeri Thermosetting materials

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 2114

August 2000

ICS 83.080.10

Supersedes EN ISO 2114:1996

English version

**Plastics (polyester resins) and paints and varnishes (binders) -
Determination of partial acid value and total acid value (ISO
2114:2000)**

Plastiques (résines de polyesters) et peintures et vernis
(liants) - Détermination de l'indice d'acide partiel et de
l'indice d'acide total (ISO 2114:2000)

Kunststoffe (Polyester) und Beschichtungsstoffe
(Bindemittel) - Bestimmung der partiellen Säurezahl und
der Gesamtsäurezahl (ISO 2114:2000)

This European Standard was approved by CEN on 1 August 2000.

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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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

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Foreword

This document (ISO 2114:2000) has been prepared by Technical Committee ISO/TC 61 "Plastics" in collaboration with Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN.

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 February 2001, and conflicting national standards shall be withdrawn at the latest by February 2001.

This document supersedes EN ISO 2114:1996.

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

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Endorsement notice
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The text of the International Standard ISO 2114:2000 has been approved by CEN as a European Standard without any modifications.

[SIST EN ISO 2114:2002](#)

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 3251	1993	Paints and varnishes - Determination of non-volatile matter of paints, varnishes and binders for paints and varnishes	EN ISO 3251	1995
ISO 3696	1987	Water for analytical laboratory use - Specification and test methods	EN ISO 3696	1995

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INTERNATIONAL STANDARD

ISO
2114

Third edition
2000-08-01

Plastics (polyester resins) and paints and varnishes (binders) — Determination of partial acid value and total acid value

*Plastiques (résines de polyesters) et peintures et vernis (liants) —
Détermination de l'indice d'acide partiel et de l'indice d'acide total*

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Reference number
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ISO 2114:2000(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 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 2114 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 12, *Thermosetting materials*.

This third edition cancels and replaces the second edition (ISO 2114:1996) as well as ISO 3682:1996, which have been technically revised.

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Plastics (polyester resins) and paints and varnishes (binders) — Determination of partial acid value and total acid value

1 Scope

This International Standard specifies methods of determining the partial acid value (method A) and the total acid value (method B) of polyester resins and binders for paints and varnishes. It is not applicable to phenolic resins.

It is intended to provide quality-control data for the acceptance or rejection of such products in accordance with the terms of a specification, as well as to be used in research and development to monitor the completion of the polycondensation reaction.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard 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 385-1:1984, *Laboratory glassware — Burettes — Part 1: General requirements*.

ISO 3251:1993, *Paints and varnishes — Determination of non-volatile matter of paints, varnishes and binders for paints and varnishes*.

ISO 3696:1987, *Water for analytical laboratory use — Specification and test methods*.

ISO 6353-2:1983, *Reagents for chemical analysis — Part 2: Specifications — First series*.

3 Terms and definitions

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

3.1 acid value

the number of milligrams of potassium hydroxide (KOH) required to neutralize 1 g of resin under the test conditions

3.2 partial acid value

acid value corresponding to the neutralization of all the carboxyl-terminated groups and free acids plus half the free anhydrides in a resin

3.3 total acid value

acid value corresponding to the neutralization of all the carboxyl-terminated groups and free acids plus all the free anhydrides in a resin