



**SLOVENSKI STANDARD
SIST EN ISO 22516:2021**

01-marec-2021

**Barve in laki - Praktično določevanje nehlapnih in hlapnih snovi pri nanašanju
(ISO 22516:2019)**

Paints and varnishes - Practical determination of non-volatile and volatile matter content during application (ISO 22516:2019)

Beschichtungsstoffe - Praxisnahe Bestimmung des Gehaltes an nichtflüchtigen und flüchtigen Anteilen während des Beschichtungsprozesses (ISO 22516:2019)

Peintures et vernis - Détermination pratique de la matière non volatile et de la matière volatile pendant l'application (ISO 22516:2019)

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Ta slovenski standard je istoveten z: EN ISO 22516:2020

ICS:

87.040

Barve in laki

Paints and varnishes

SIST EN ISO 22516:2021

en,fr,de

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EUROPEAN STANDARD

EN ISO 22516

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2020

ICS 87.040

English Version

Paints and varnishes - Practical determination of non-volatile and volatile matter content during application (ISO 22516:2019)

Peintures et vernis - Détermination pratique de la matière non volatile et de la matière volatile pendant l'application (ISO 22516:2019)

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This European Standard was approved by CEN on 30 November 2020.

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COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

The text of ISO 22516:2019 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 22516:2020 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of an identical text or by endorsement, at the latest by June 2021, and conflicting national standards shall be withdrawn at the latest by June 2021.

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

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First edition
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**Paints and varnishes — Practical
determination of non-volatile and
volatile matter content during
application**

*Peintures et vernis — Détermination pratique de la matière non
volatile et de la matière volatile pendant l'application*

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ISO 22516:2019(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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

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

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

When applying coatings, the size or the size distribution of the generated drops is of great importance for the application result. By varying the application parameters, such as spraying energy and the rate of flow of the coating material as well as the technical properties such as solvent composition and rheological flow performance, the quality of the application result can be controlled. Also, climatic conditions during the application (e.g. temperature, relative humidity, and air falling speed) highly influence the result. By determining the non-volatile matter after application or after intermediate or final drying, it is possible to characterize the wet or dry application result and, consequently, to indirectly refer to the generated drop size distribution and the solvent emission during the application. By means of the calculated volatile matter, the sufficient intermediate drying of the respective coating is determined before applying an additional coating.

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