

Paints and varnishes - Determination of viscosity using rotational viscometers - Part 2: Relative measurement of viscosity using disc or ball spindles at specified speeds (ISO 2884-2:2024)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>See Eesti standard EVS-EN ISO 2884-2:2024 sisaldab Euroopa standardi EN ISO 2884-2:2024 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 24.07.2024.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN ISO 2884-2:2024 consists of the English text of the European standard EN ISO 2884-2:2024.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 24.07.2024.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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ICS 87.040

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EUROPEAN STANDARD

EN ISO 2884-2

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Paints and varnishes - Determination of viscosity using rotational viscometers - Part 2: Relative measurement of viscosity using disc or ball spindles at specified speeds (ISO 2884-2:2024)

Peintures et vernis - Détermination de la viscosité au moyen de viscosimètres rotatifs - Partie 2: Mesurage relatif de la viscosité avec des agitateurs à disque ou à bille à des vitesses spécifiées (ISO 2884-2:2024)

Beschichtungsstoffe - Bestimmung der Viskosität mit Rotationsviskosimetern - Teil 2: Relative Viskositätsmessung mit Scheiben- oder Kugelspindeln bei festgelegten Drehzahlen (ISO 2884-2:2024)

This European Standard was approved by CEN on 28 December 2023.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

This document (EN ISO 2884-2:2024) 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 January 2025, and conflicting national standards shall be withdrawn at the latest by January 2025.

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.

This document supersedes EN ISO 2884-2:2006.

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Endorsement notice

The text of ISO 2884-2:2024 has been approved by CEN as EN ISO 2884-2:2024 without any modification.

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Measuring assembly	1
4.1 General.....	1
4.2 Spindles.....	2
4.3 Container.....	3
4.4 Temperature control device,.....	3
4.5 Reference fluids.....	3
5 Sampling	3
6 Checking the measuring assembly	3
7 Performance of the measurement	4
7.1 General.....	4
7.2 With a reference fluid.....	4
7.3 With a sample.....	4
8 Repeatability and measuring error	5
9 Test report	5

Foreword

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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 document 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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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*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 139, *Paints and varnishes*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 2884-2:2003), which has been technically revised.

The main changes are as follows:

- terminology and symbols have been adapted to ISO 3219-1;
- a statement has been added that this document refers to a relative value for viscosity;
- description of the test procedure including the test report has been updated;
- the normative references have been updated.

A list of all parts in the ISO 2884 series can be found on the ISO website.

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.

Paints and varnishes — Determination of viscosity using rotational viscometers —

Part 2:

Relative measurement of viscosity using disc or ball spindles at specified speeds

1 Scope

This document specifies a general procedure for determining the viscosity of paints, varnishes and related products, as well as binders. The method is primarily used to determine the relative viscosity of a product and to monitor this while thinning during a manufacturing process. It describes a relative measurement of viscosity using disc or ball spindles at specified speeds.

The method specified in this document is suitable for all paints and varnishes whether they are Newtonian in behaviour or not. It can also be applied to materials containing dispersions of particles.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1513, *Paints and varnishes — Examination and preparation of test samples*

ISO 3219-1, *Rheology — Part 1: Vocabulary and symbols for rotational and oscillatory rheometry*

ISO 15528, *Paints, varnishes and raw materials for paints and varnishes — Sampling*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 3219-1 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Measuring assembly

4.1 General

The measuring assembly consists of a rotational viscometer with a relative measuring geometry (disc or ball spindle in accordance with 4.2) and a defined container (in accordance with 4.3), in which the sample to be tested is contained. It shall be possible to control the temperature of the sample (in accordance with 4.4).