

Binders for paints and varnishes - Linseed stand oil -
Requirements and methods of test (ISO 276:2019)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Binders for paints and varnishes - Linseed stand oil - Requirements and methods of test (ISO 276:2019)

Liants pour peintures et vernis - Standolies d'huile de
lin - Exigences et méthodes d'essai (ISO 276:2019)

Bindemittel für Beschichtungsstoffe - Leinöl-Standöl -
Anforderungen und Prüfverfahren (ISO 276:2019)

This European Standard was approved by CEN on 9 November 2020.

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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 276:2021) 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of an identical text or by endorsement, at the latest by November 2021, and conflicting national standards shall be withdrawn at the latest by November 2021.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.

This document supersedes EN ISO 276:2010.

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

Endorsement notice

The text of ISO 276:2019 has been approved by CEN as EN ISO 276:2021 without any modification.

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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.

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*.

This third edition cancels and replaces the second edition (ISO 276:2002), which has been technically revised. The main changes compared to the previous edition are as follows:

- Requirements for turbidity and colour have been added in [Table 1](#);
- For the determination of acid value, ISO 660 has been added;
- For the determination of saponification value, ISO 3657 has been added;
- A general reference to ISO 4618 for terms and definitions has been added to [Clause 3](#);
- The text has been editorially revised.

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.

Binders for paints and varnishes — Linseed stand oil — Requirements and methods of test

1 Scope

This document specifies the requirements and the corresponding test methods for five types of linseed stand oil suitable for paints and varnishes.

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 660, *Animal and vegetable fats and oils — Determination of acid value and acidity*

ISO 2114, *Plastics (polyester resins) and paints and varnishes (binders) — Determination of partial acid value and total acid value*

ISO 3657, *Animal and vegetable fats and oils — Determination of saponification value*

ISO 3681, *Binders for paints and varnishes — Determination of saponification value — Titrimetric method*

ISO 4618, *Paints and varnishes — Terms and definitions*

ISO 4630, *Clear liquids — Estimation of colour by the Gardner colour scale*

ISO 12058-1, *Plastics — Determination of viscosity using a falling-ball viscometer — Part 1: Inclined-tube method*

ISO 15715, *Binders for paints and varnishes — Determination of turbidity*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4618 and the following apply.

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

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

3.1

linseed stand oil

polymerized linseed oil obtained from linseed oil by heat treatment

Note 1 to entry: Certain linseed stand oils are also referred to as “lithographic varnishes”.

4 Requirements and test methods

The five types of linseed stand oil shall meet the requirements and apply the test methods given in [Table 1](#).