

Paints and varnishes - Electro-deposition coatings -
Part 12: Sedimentation on horizontal areas (ISO
22553-12:2020)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 22553-12:2021 sisaldab Euroopa standardi EN ISO 22553-12:2021 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 22553-12:2021 consists of the English text of the European standard EN ISO 22553-12:2021.
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English Version

Paints and varnishes - Electro-deposition coatings - Part
12: Sedimentation on horizontal areas (ISO 22553-
12:2020)

Peintures et vernis - Peintures d'électrodéposition -
Partie 12: Sédimentation sur des surfaces horizontales
(ISO 22553-12:2020)

Beschichtungsstoffe - Elektrottauchlacke - Teil 12:
Sedimentation auf waagerechten Flächen (ISO 22553-
12:2020)

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European foreword

The text of ISO 22553-12:2020 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 22553-12:2021 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of an identical text or by endorsement, at the latest by March 2022, and conflicting national standards shall be withdrawn at the latest by March 2022.

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Endorsement notice

The text of ISO 22553-12:2020 has been approved by CEN as EN ISO 22553-12:2021 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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This document was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

A list of all parts in the ISO 22553 series can be found on the ISO website.

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Paints and varnishes — Electro-deposition coatings —

Part 12:

Sedimentation on horizontal areas

1 Scope

This document specifies a method for assessing the sedimentation of electro-deposition coating materials on horizontal surfaces used for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

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 2808, *Paints and varnishes — Determination of film thickness*

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

ISO 22553-1, *Paints and varnishes — Electro-deposition coatings — Part 1: Vocabulary*

ISO 23321, *Solvents for paints and varnishes — Demineralized water for industrial applications — Specification and test methods*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4618 and ISO 22553-1 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/>

4 Principle

An L-shaped bent test panel is put into the electro-deposition coating material and coated in accordance with the product-specific specifications. After the test panel is stoved, it is visually evaluated for surface defects.

5 Apparatus and materials

Typical laboratory apparatus, together with the following: