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Paints and varnishes - Paints and varnishes for interior walls and ceilings - Classification



## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 13300:2022 sisaldab Euroopa standardi EN 13300:2022 ingliskeelset teksti.	This Estonian standard EVS-EN 13300:2022 consists of the English text of the European standard EN 13300:2022.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 23.11.2022.	Date of Availability of the European standard is 23.11.2022.
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ICS 87.040

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English Version

## Paints and varnishes - Paints and varnishes for interior walls and ceilings - Classification

Peintures et vernis - Peintures et vernis pour murs et plafonds intérieurs - Classification

Beschichtungsstoffe - Wasserhaltige Beschichtungsstoffe und Beschichtungssysteme für Wände und Decken im Innenbereich - Einteilung

This European Standard was approved by CEN on 16 October 2022.

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 14 December 2022.

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 CEN-CENELEC Management Centre or to any CEN member.

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

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## European foreword

This document (EN 13300:2022) has been prepared 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of an identical text or by endorsement, at the latest by May 2023, and conflicting national standards shall be withdrawn at the latest by May 2023.

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 13300:2001.

In comparison with the previous edition, the following technical modifications have been made:

- Revision of normative references
- Revision of terms and definitions
- Changes in classification by specular gloss
- Changes in classification by granularity
- Introduction of uncertainty principle in wet scrub resistance classes
- Introduction of uncertainty principle in hiding power classes
- Introduction of cleanability

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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, Türkiye and the United Kingdom.

## Introduction

This document identifies criteria that need to be considered when assessing the suitability of a coating material for a particular end use and provides a framework for communicating this information between manufacturer and user. This should assist in the removal of technical barriers to trade. It is in the responsibility of the manufacturer of a coating material to designate the appropriate categories for end use and appearance.

The coating materials are assessed independently of the substrate to which the material is intended to be applied. Properties such as adhesion and texture that are dependent on the substrate have, therefore, not been included. Nevertheless, it is essential that the coating system adheres properly to its appropriately prepared substrate. It needs to maintain adhesion under normal conditions during its specified lifetime.

Where applicable, the characteristics of the complete coating system, including combination of materials, sequence and thickness of layers, method(s) of application, colour and opacity, should preferably be agreed between supplier, specifier, applicator and customer. Requirements for substrate preparation should also be specified and observed.

Coating thickness and texture are subject to the manufacturer's recommendations and are affected by the method of application, the properties of the substrate and the formulation. These factors affect many important properties of the coating system such as soiling resistance and general appearance.

Care shall be taken to apply the coating materials under suitable temperature and humidity conditions and to observe recommended drying times and overcoating intervals.

The coating should be recoatable at least by the same coating material. Full information should be provided in supplier's data sheets.

The classes defined in this document are not intended to represent a quality scale but shall enable a qualified choice of the suitable coating material for an individual purpose.

## 1 Scope

This document specifies a general system for the classification of paints and varnishes, for interior walls and ceilings, for the decoration of new and old, coated and uncoated surfaces.

## 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.

EN ISO 787-7, *General methods of test for pigments and extenders - Part 7: Determination of residue on sieve - Water method - Manual procedure (ISO 787-7)*

EN ISO 787-18, *General methods of test for pigments and extenders - Part 18: Determination of residue on sieve - Mechanical flushing procedure (ISO 787-18)*

EN ISO 1524, *Paints, varnishes and printing inks - Determination of fineness of grind (ISO 1524)*

EN ISO 2813, *Paints and varnishes - Determination of gloss value at 20°, 60° and 85° (ISO 2813)*

EN ISO 6504-3, *Paints and varnishes - Determination of hiding power - Part 3: Determination of hiding power of paints for masonry, concrete and interior use (ISO 6504-3)*

EN ISO 11998, *Paints and varnishes - Determination of wet-scrub resistance and cleanability of coatings (ISO 11998)*

## 3 Terms and definitions

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

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

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

### 3.1

#### **decoration**

treatments with the primary objective to change or restore the appearance of the substrate

Note 1 to entry: Functions of these treatments are for example colour, gloss and texture etc.

### 3.2

#### **paint**

pigmented coating material which, when applied to a substrate, forms an opaque dried film having protective, decorative or specific technical properties

[SOURCE: EN ISO 4618:2014, definition 2.184]

### 3.3

#### **varnish**

transparent coating material

[SOURCE: EN ISO 4618:2014, definition 2.266 without Note 1 to entry]