

**Paints and varnishes - Water-borne
coating materials and coating systems
for interior walls and ceilings -
Classification**

Paints and varnishes - Water-borne coating
materials and coating systems for interior walls and
ceilings - Classification

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13300:2001 sisaldab Euroopa standardi EN 13300:2001 + AC:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 19.12.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13300:2001 consists of the English text of the European standard EN 13300:2001 + AC:2002.</p> <p>This document is endorsed on 19.12.2001 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This European Standard specifies a general system for the classification of water-borne coating materials and coating systems for the decoration and protection of interior walls and ceilings comprised of new and old, coated and uncoated surfaces.</p>	<p>Scope: This European Standard specifies a general system for the classification of water-borne coating materials and coating systems for the decoration and protection of interior walls and ceilings comprised of new and old, coated and uncoated surfaces.</p>
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ICS 87.040

Võtmesõnad: binders, classifications, latex paints, marking, materials, materials specification, painting, paints, quality, specification (approval), specifications, suspensions, testing, walls, water content, water dilutability, water soluble

ICS 87.040

English version

Paints and varnishes - Water-borne coating materials and coating systems for interior walls and ceilings - Classification

Peintures et vernis - Produits de peinture et systèmes de peinture en phase aqueuse 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 19 February 2001.

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 Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This European Standard 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 October 2001, and conflicting national standards shall be withdrawn at the latest by October 2001.

Annex A is informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

The names used today to describe coating materials and coating systems pay little regard to technical, functional and end use categories. This makes it difficult to devise an unequivocal simple terminology applicable to all product types. This European Standard attempts to address this problem by separately defining categories of appearance and end use, but with no assumptions as to whether or not a given product, by its appearance alone, will be suitable for a particular use. The objective is to avoid misuse of coating systems by the misunderstanding or over-statement of performance claims. The possibilities for future technical advances are recognized.

The treatment of interior surfaces has aesthetic and/or protective functions. The results of such treatments include the following:

- **decoration** of surfaces by changing or restoring their appearance;
- **protection** of the substrate against aesthetic and/or functional deterioration.

This European Standard identifies criteria that need to be considered when assessing the suitability of a coating system 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 system to designate the appropriate categories for end use and appearance.

1 Scope

This European Standard specifies a general system for the classification of water-borne coating materials and coating systems for the decoration and protection of interior walls and ceilings comprised of new and old, coated and uncoated surfaces.

2 Normative references

This European Standard incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the last edition of the publication referred to applies (including amendments).

EN 971-1	1996	Paints and varnishes – Terms and definitions for coating materials – Part 1: General terms
EN 1062-1	1996	Paints and varnishes – Coating materials and coating systems for exterior masonry and concrete – Part 1: Classification
EN 21524		Paints and varnishes – Determination of fineness of grind (ISO 1524:1983)
EN ISO 787-18		General methods of test for pigments and extenders – Part 18: Determination of residue on sieve; Mechanical flushing procedure (ISO 787-18:1983)
EN ISO 2813		Paints and varnishes – Determination of specular gloss of non-metallic paint films at 20°, 60° and 85° (ISO 2813:1994, including Technical Corrigendum 1:1997)
ISO 787-7		General methods of test for pigments and extenders – Part 7: Determination of residue on sieve; Water method; Manual procedure
ISO 6504-3		Paints and varnishes – Determination of hiding power – Part 3: Determination of contrast ratio (opacity) of light-coloured paints at a fixed spreading rate
ISO 11998		Paints and varnishes – Determination of wet-scrub resistance and cleanability of coatings

3 Terms and definitions

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

3.1 coating material

product, in liquid or in paste or in powder form, that when applied to a substrate forms a film possessing protective, decorative and/or other specific properties [EN 971-1 : 1996]

3.2 coating system

total sum of the coats of coating materials which are to be applied or which have been applied to a substrate [EN 971-1 : 1996]

3.3 coating system for interior surfaces

coating system for the treatment of interior walls and ceilings

3.4 water-borne coating material

coating material, the binder of which is dispersed, dissolved or diluted in water

3.5 decoration

treatments with the primary objective to change or restore the appearance of the substrate. Functions of these treatments are colour, gloss and texture. They can also include protective functions. [EN 1062-1 : 1996]

3.6 protection

treatments with the primary objective to impart resistance to soiling, cleaning, fire, moisture, and biological, mechanical or chemical attacks. These treatments will also include decorative functions.

4 General classification

Coating materials and coating systems for interior walls and ceilings shall be classified as specified in 4.1 and 4.2.

4.1 Classification by end use

Classification by end use shall be as follows:

- a) decoration;
- b) special properties.

4.2 Classification by chemical type of binder

Classification by chemical type of binder shall be derived from that component of the binder which is decisive for the characteristic properties of the final coating system.

The chemical type of the binder shall be given using, for example, the following terms:

- hydraulic lime, cement, silicate;
- acrylic resin, vinyl resin, alkyd resin, epoxy resin, copolymers.