

Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 1: Classification

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1062-1:2004 sisaldab Euroopa standardi EN 1062-1:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.09.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1062-1:2004 consists of the English text of the European standard EN 1062-1:2004.</p> <p>This document is endorsed on 23.09.2004 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 description of coating materials and coating systems for the preservation, decoration and protection of exterior new and old, coated or uncoated masonry and concrete. It also includes a classification system based on certain physical properties.</p>	<p>Scope: This European Standard specifies a general system for the description of coating materials and coating systems for the preservation, decoration and protection of exterior new and old, coated or uncoated masonry and concrete. It also includes a classification system based on certain physical properties.</p>
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ICS 87.040

Võtmesõnad: classifications, exterior coatings, exterior finishes, lacquers, masonry, masonry work, mineral, minerals, painting, paints, physical properties, plasters, protective coatings, resin impregnated plasters, subsoil, surface treatment, testing, varnishes

English version

Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 1: Classification

Peintures et vernis - Produits de peinture et systèmes de
revêtement pour maçonnerie et béton extérieurs - Partie 1:
Classification

Beschichtungsstoffe - Beschichtungsstoffe und
Beschichtungssysteme für mineralische Substrate und
Beton im Außenbereich - Teil 1: Einteilung

This European Standard was approved by CEN on 24 March 2004.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 1062-1:2004) 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 December 2004, and conflicting national standards shall be withdrawn at the latest by December 2004.

This document supersedes EN 1062-1:1996.

The main changes are:

- classifications for water vapour transmission rate, liquid water permeability, crack bridging and carbon dioxide permeability are included;
- the description of a designation code of coating materials according to this standard is included.

Guidance for selection of coating systems for exterior masonry and concrete is given in informative annex A.

EN 1062 consists of the following parts under the general title *Paints and varnishes — Coating materials and coating systems for exterior masonry and concrete*:

- *Part 1: Classification*
- *Part 3: Determination and classification of liquid-water transmission rate (permeability)*
- *Part 6: Determination of carbon dioxide permeability*
- *Part 7: Determination of crack bridging properties*
- *Part 11: Methods of conditioning before testing*

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

Introduction

EN 1062-1 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 the responsibility of the manufacturer of a coating system to designate the appropriate categories for end use and appearance.

NOTE 1 Where applicable, the relevant properties can also be used to describe products designed for use on interior surfaces of buildings.

NOTE 2 The characteristics of the coating material should conform to national regulations with regard to health, safety and the environment.

1 Scope

This European Standard specifies a general system for the description of coating materials and coating systems for the preservation, decoration and protection of exterior new and old, coated or uncoated masonry and concrete. It also includes a classification system based on certain physical properties.

This European Standard is applicable to all coating materials and coating systems for exterior masonry and concrete, including those for use in external thermal insulation systems.

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 latest 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 1062-3, *Paints and varnishes — Coating materials and coating systems for exterior masonry and concrete — Part 3: Determination and classification of liquid-water transmission rate (permeability).*

EN 1062-6, *Paints and varnishes — Coating materials and coating systems for exterior masonry and concrete — Part 6: Determination of carbon dioxide permeability.*

EN 1062-7, *Paints and varnishes — Coating materials and coating systems for exterior masonry and concrete — Part 7: Determination of crack-bridging properties.*

EN 1062-11, *Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 11: Methods of conditioning before testing.*

EN ISO 1524, *Paints, varnishes and printing inks - Determination of fineness of grind (ISO 1524:2000).*

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).*

EN ISO 7783-2, *Paints and varnishes — Coating materials and coating systems for exterior masonry and concrete — Part 2: Determination and classification of water-vapour transmission rate (permeability) (ISO 7783-2:1999).*

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

ISO 3233, *Paints and varnishes -- Determination of percentage volume of non-volatile matter by measuring the density of a dried coating.*

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 powder form, that, when applied to a substrate, forms a film possessing protective, decorative and/or other specific properties

[EN 971-1:1996]