

Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 7: Determination of crack bridging properties

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1062-7:2004 sisaldab Euroopa standardi EN 1062-7:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 27.08.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1062-7:2004 consists of the English text of the European standard EN 1062-7:2004.</p> <p>This document is endorsed on 27.08.2004 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:</p> <p>This European Standard specifies two methods for determining the crack-bridging properties of coating materials, coating systems and related products, intended for exterior masonry and concrete. It should be read in conjunction with EN 1062-1 and prEN 1504-2. It also gives a classification of coatings on the basis of their crack-bridging properties.</p>	<p>Scope:</p> <p>This European Standard specifies two methods for determining the crack-bridging properties of coating materials, coating systems and related products, intended for exterior masonry and concrete. It should be read in conjunction with EN 1062-1 and prEN 1504-2. It also gives a classification of coatings on the basis of their crack-bridging properties.</p>
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Võtmesõnad:

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English version

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

Peintures et vernis - Produits de peinture et systèmes de
revêtement pour maçonnerie et béton extérieurs - Partie 7 :
Détermination de la résistance à la fissuration

Beschichtungsstoffe - Beschichtungsstoffe und
Beschichtungssysteme für mineralische Substrate und
Beton im Außenbereich - Teil 7: Bestimmung der
rissüberbrückenden Eigenschaften

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 1062-7:2004) has been prepared by Technical Committees CEN/TC 104 "Concrete and related products" and CEN/TC 139 "Paints and varnishes", the secretariats of which are 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 2004, and conflicting national standards shall be withdrawn at the latest by November 2004.

EN 1062, *Paints and varnishes – Coating materials and coating systems for exterior masonry and concrete*, consists of the following parts:

- 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

Annexes A and B are normative. Annex C 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, 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

This is one of a number of parts of EN 1062 dealing with test methods for coating materials and coating systems for masonry and concrete.

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1 Scope

This European Standard specifies two methods for determining the crack-bridging properties of coating materials, coating systems and related products, intended for exterior masonry and concrete. It should be read in conjunction with EN 1062-1 and prEN 1504-2.

It also gives a classification of coatings on the basis of their crack-bridging properties.

NOTE The method to be used for a particular product or system should be agreed between the interested parties.

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 196-1, *Methods of testing cement — Part 1: Determination of strength*.

EN 971-1:1996, *Paints and varnishes - Terms and definitions for coating materials - Part 1: General terms*.

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

EN 1766:2000, *Products and systems for the protection and repair of concrete structures — Test methods — Reference concretes for testing*.

EN ISO 1513, *Paints and varnishes — Examination and preparation of samples for testing (ISO 1513:1992)*.

EN ISO 15528, *Paints, varnishes and raw materials for paints and varnishes — Sampling (ISO 15528:2000)*.

3 Terms and definitions

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

3.1
coating system
sum total of the coats of coating materials which are to be applied or which have been applied to a substrate
[EN 971-1:1996]

3.2
crack
first visible or measurable failure through the coating, coating system or substrate

3.3
crack bridging
ability of the coating or coating system to take up the elongation resulting from the movement of the crack sides (3.4)

3.4
crack sides
surfaces of the break in the substrate that are generated when the substrate is marking the crack