

**Products and systems for the
protection and repair of concrete
structure - Test method - Determination
of thixotropy of products for protection
of reinforcement**

Products and systems for the protection and repair
of concrete structure - Test method - Determination
of thixotropy of products for protection of
reinforcement

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13062:2003 sisaldab Euroopa standardi EN 13062:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 14.08.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13062:2003 consists of the English text of the European standard EN 13062:2003.</p> <p>This document is endorsed on 14.08.2003 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 method for determining the thixotropy of products and systems intended for the protection of reinforcement</p>	<p>Scope: This European Standard specifies a method for determining the thixotropy of products and systems intended for the protection of reinforcement</p>
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ICS 91.080.40

Võtmesõnad:

ICS 91.080.40

English version

**Products and systems for the protection and repair of concrete
structure - Test method - Determination of thixotropy of products
for protection of reinforcement**

Produits et systèmes pour la protection et la réparation des
structures en béton - Méthodes d'essais - Détermination de
la thixotropie des produits de protection des armatures

Produkte und Systeme für den Schutz und die
Instandsetzung von Betontragwerken - Prüfverfahren -
Bestimmung der Ablaufneigung von Produkten für den
Schutz der Bewehrung

This European Standard was approved by CEN on 14 March 2003.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



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

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Foreword

This document (EN 13062:2003) has been prepared by Technical Committee CEN/TC 104 "Concrete and related products", 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 November 2003, and conflicting national standards shall be withdrawn at the latest by November 2003.

This European Standard is one of a series dealing with products and systems for the protection and repair of concrete structures.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies a method for determining the thixotropy of products and systems intended for the protection of reinforcement.

2 Normative references

This European Standard incorporates by dated or undated references, 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 1504-1:1998, *Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 1: Definitions*.

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

EN ISO 2808, *Paints and varnishes - Determination of film thickness (ISO 2808:1997)*.

EN ISO 12944-4, *Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 4: Types of surface and surface preparation (ISO 12944-4:1998)*.

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 terms and definitions given in EN 1504-1:1998 and the following apply:

3.1 thixotropy

sagging of a material from a steel plate stored in a vertical position for 24 h after application of the material

NOTE The thickness of the dry coating is measured 10mm below the upper edge of the steel plate and 10mm above the lower edge.

4 Apparatus

4.1 Stirrer

4.2 Film applicator (doctor blades); gap width: approximately 60 mm; gap clearance: from 200 µm to 1 000 µm.

4.3 Two steel plates (measuring approximately 3 mm x 70 mm x 150 mm) according to EN ISO 12944-4; the plates should have similar surface roughness of approximately 50 µm.

4.4 Apparatus to measure the dry-thickness of the coating according to EN ISO 2808.

4.5 Apparatus to measure the wet-thickness of the coating in accordance with EN ISO 2808 (Wet-film thickness gauge).

5 Sampling

A representative and homogenous sample of the material to be tested shall be taken in accordance with EN ISO 15528. The sample shall be examined and prepared as described in EN ISO 1513.