

Pingsarruse süstmört. Teimimeetodid

Grout for prestressing tendons - Test methods

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 445:1999 sisaldab Euroopa standardi EN 445:1996 ingliskeelset teksti.	This Estonian standard EVS-EN 445:1999 consists of the English text of the European standard EN 445:1996.
Käesolev dokument on jõustatud 23.11.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 23.11.1999 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala: See Euroopa standard kirjeldab EN 447 poolt piiritletud süstmördi teimimismeetodeid.	Scope:
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Võtmesõnad: pingbetoon, sarruskimbud, teimid, trossid, tsementeerimine, viskoossus

ICS 91.100.10

Descriptors: Building, prestressing tendons, grout, testing.

English version

Grout for prestressing tendons
Test methods

Coulis pour câble de précontrainte;
méthodes d'essai

Einpreßmörtel für Spannglieder;
Prüfverfahren

This European Standard was approved by CEN on 1994-10-28.

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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 104 'Concrete – Performance, production, placing and compliance criteria', 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, and conflicting national standards withdrawn, by September 1996 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

0 Introduction

In post-tensioned prestressed concrete construction, the grouting of tendons is an important operation. This European Standard provides methods of test for grout specified in EN 447. Some tests given here in are alternatives and it will be necessary to relate the chosen test method to the specified requirements.

1 Scope

This European Standard describes the methods of test for grout specified in EN 447.

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.

EN 196-1 : 1987

Methods of testing cement – Determination of strength

EN 447

Grout for prestressing tendons – Specification for common grout ¹⁾

ISO 4012

Concret – Determination of compressive strength of test specimens

3 The testing of grout

3.1 General conditions

The grouts shall be tested by competent personnel experienced in the subject. The normal conditions of temperature and relative humidity at test shall be as follows:

- Temperature $(20 \pm 2) ^\circ\text{C}$
- Relative humidity $> 65 \%$

These conditions are for the specification of the grout. Variations in temperature and humidity on site may cause variations in the test results and shall be reported.

The grout for the tests shall be made from materials specified in clause 4 of EN 447 and mixed in accordance with clause 6 of EN 447. The temperature of the freshly mixed grout is to be given in all test reports.

¹⁾ At present at the draft stage.