

**Tsemendi katsetamine. Osa 7:
Tsemendiproovide võtmise ja ettevalmistamise
meetodid**

Methods of testing cement - Part 7: Methods of
taking and preparing samples of cement

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 196-7:1997 sisaldab Euroopa standardi EN 196-7:1989 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 17.12.1997 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 196-7:1997 consists of the English text of the European standard EN 196-7:1989.

This standard is ratified with the order of Estonian Centre for Standardisation dated 17.12.1997 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

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Descriptors: Cement, tests, sampling, sample, lot.

English version

Methods of testing cement

Methods of taking and preparing samples of cement

Méthodes d'essai des ciments; méthodes de prélèvement et d'échantillonnage du ciment

Prüfverfahren für Zement; Verfahren für die Probenahme und Probenauswahl von Zement

This European Standard was approved by CEN on 1989-06-16.

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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Brief history

This European Standard was drawn up by Technical Committee CEN/TC 51 'Cement', the Secretariat of which is held by IBN. 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.

Foreword

European Standard EN 196 on methods of testing cement consists of the following Parts:

- Part 1 Determination of strength
- Part 2 Chemical analysis of cement
- Part 3 Determination of setting time and soundness
- Part 4 Quantitative determination of constituents
- Part 5 Pozzolanicity test for pozzolanic cements
- Part 6 Determination of fineness
- Part 7 Methods of taking and preparing samples of cement
- Part 21 Determination of the chloride, carbon dioxide and alkali content of cement

Contents

| | Page | | Page |
|--|------|---|------|
| 1 Scope and field of application | 2 | 7 Frequency of sampling and choice of sample type | 4 |
| 2 References | 2 | 8 Sample size and preparation | 4 |
| 3 Definitions | 2 | 9 Packaging and storage | 6 |
| 4 General | 3 | 10 Sampling report | 6 |
| 5 Sampling equipment | 3 | Annex A Typical examples of sampling equipment ... | 7 |
| 6 Sampling procedures | 4 | | |

1 Scope and field of application

This European Standard describes only the equipment to be used, the methods to be followed and the provisions to be complied with for taking samples of cement representative of given lots, for testing to assess the quality of products prior to, during or after delivery.

The provisions of this standard are only applicable when samples of cement are requested for verifying compliance with the standard of:

- a) either cement taken at any time for current production (e.g. to meet the needs of the manufacturer's internal control or meet the requirements of a certification scheme),
- b) or a delivery or a lot, the provisions of a contract or the specifications in an order.

The standard is applicable to the taking of samples of all types of cements¹⁾ as defined by ENV 197-1, whether:

- a) contained in silos;
- b) contained in bags, canisters, drums or any other packages;
- c) transported in bulk in road vehicles, railway wagons, ships, etc.

2 References

- EN 196-1 Methods of testing cement; determination of strength
- EN 196-2 Methods of testing cement; chemical analysis of cement
- EN 196-3 Methods of testing cement; determination of setting time and soundness
- ENV 196-4 Methods of testing cement; quantitative determination of constituents
- EN 196-5 Methods of testing cement; pozzolanicity test for pozzolanic cements
- EN 196-6 Methods of testing cement; determination of fineness
- EN 196-21 Methods of testing cement; determination of the chloride, carbon dioxide and alkali content of cement
- ENV 197-1 Cement; composition, specifications and conformity criteria, common cements

3 Definitions

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

3.1 order: Quantity of cement covered by a single request placed with the same manufacturer (or distributor). It may consist of one or more consignments to be delivered over a period of time.

¹⁾ The requirements specified in this standard may, by agreement, also be followed for acceptance inspection of non-standardized hydraulic binders.