

**Täitematerjalide mehaaniliste ja füüsikaliste
omaduste katsetamine. Osa 2: Purunemiskindluse
määramise meetodid KONSOLIDEERITUD TEKST**

Tests for mechanical and physical properties of
aggregates - Part 2: Methods for the determination of
resistance to fragmentation CONSOLIDATED TEXT

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1097-2:2007 sisaldab Euroopa standardi EN 1097-2:1998+A1:2006 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 22.11.1999 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 22.04.1998.

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This Estonian standard EVS-EN 1097-2:2007 consists of the English text of the European standard EN 1097-2:1998+A1:2006.

This standard is ratified with the order of Estonian Centre for Standardisation dated 22.11.1999 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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Võtmesõnad: füüsikalised omadused, katsed, mehaanilised omadused, mehhaaniline tugevus, purunemine, täitematerjalid

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Kui Teil on küsimusi standardite autorikaitse kohta, palun võtke ühendust Eesti Standardikeskusega:
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Descriptors: Aggregates, fragmentation resistance, testing.

English version

**Tests for mechanical and physical properties
of aggregates**

Part 2: Methods for the determination of resistance to fragmentation

Essais pour déterminer les caractéristiques mécaniques et physiques des granulats – Partie 2: Méthodes pour la détermination de la résistance à la fragmentation

Prüfverfahren für mechanische und physikalische Eigenschaften von Gesteinskörnungen – Teil 2: Verfahren zur Bestimmung des Widerstandes gegen Zertrümmerung

This European Standard was approved by CEN on 1998-03-25.

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.

The European Standards exist 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, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

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

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 154 "Aggregates", the secretariat of which is held by BSI.

This standard forms part of a series of tests for mechanical and physical properties of aggregates. Test methods for other properties of aggregates will be covered by Parts of the following European Standards:

EN 932	Tests for general properties of aggregates
EN 933	Tests for geometrical properties of aggregates
EN 1367	Tests for thermal and weathering properties of aggregates
EN 1744	Tests for chemical properties of aggregates
prEN 13179	Tests for filler aggregate used in bituminous bound fillers

The other parts of EN 1097 will be:

EN 1097-1	Tests for mechanical and physical properties of aggregates Part 1: Determination of the resistance to wear (micro-Deval)
prEN 1097-3	Tests for mechanical and physical properties of aggregates Part 3: Determination of loose bulk density and voids
prEN 1097-4	Tests for mechanical and physical properties of aggregates Part 4: Determination of the voids of dry compacted filler
prEN 1097-5	Tests for mechanical and physical properties of aggregates Part 5: Determination of the water content by drying in a ventilated oven
prEN 1097-6	Tests for mechanical and physical properties of aggregates Part 6: Determination of particle density and water absorption
prEN 1097-7	Tests for mechanical and physical properties of aggregates Part 7: Determination of the particle density of filler - Pyknometer method
prEN 1097-8	Tests for mechanical and physical properties of aggregates Part 8: Determination of the polished stone value
prEN 1097-9	Tests for mechanical and physical properties of aggregates Part 9: Method for the determination of the resistance to wear by abrasion from studded tyres: Nordic test
prEN 1097-10	Tests for mechanical and physical properties of aggregates Part 10: Water suction height

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 October 1998, and conflicting national standards shall be withdrawn at the latest by December 1999.

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

1 Scope

This European Standard specifies procedures for the determination of the resistance of coarse aggregate to fragmentation. Two methods are defined:

- a) the Los Angeles test (reference method);
- b) the impact test (alternative method).

NOTE: The impact test can be used as an alternative to the Los Angeles test but a correlation with the Los Angeles test should first be established to avoid double testing and ensure mutual recognition of results. The Los Angeles test (reference method) should be used in cases of dispute.

This European Standard applies to natural or artificial aggregates used in building and civil engineering.

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 932-1 : 1996	Tests for general properties of aggregates - Part 1: Methods for sampling
prEN 932-2	Tests for general properties of aggregates - Part 2: Methods for reducing laboratory samples
prEN 932-5	Tests for general properties of aggregates - Part 5: Common equipment and calibration
EN 933-1:1997	Tests for geometrical properties of aggregates - Part 1: Determination of particle size distribution - Sieving method
EN 933-2 : 1995	Tests for geometrical properties of aggregates - Part 2: Determination of particle size distribution - Test sieves, nominal size of apertures
prEN 1097-6	Tests for mechanical and physical properties of aggregates - Part 6: Determination of particle density and water absorption
EN 10025 : 1993	Hot rolled products of non-alloy structural steels Technical delivery conditions (includes amendment A1:1993)

3 Definitions

For the purposes of this standard the following definitions apply.

3.1 Los Angeles coefficient, LA : The percentage of the test portion passing a 1,6 mm sieve after completion of the test.