

**Täitematerjalide geomeetriliste omaduste katsetamine.
Osa 10: Peenosiste hindamine. Filleri terastikuline
koostis (sõelanalüüs õhujoas)**

Tests for geometrical properties of aggregates - Part 10:
Assessment of fines - Grading of fillers (air jet sieving)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 933-10:2009 sisaldab Euroopa standardi EN 933-10:2009 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 31.08.2009 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 08.07.2009.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 933-10:2009 consists of the English text of the European standard EN 933-10:2009.

This standard is ratified with the order of Estonian Centre for Standardisation dated 31.08.2009 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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English Version

**Tests for geometrical properties of aggregates - Part 10:
Assessment of fines - Grading of filler aggregates (air jet
sieving)**

Essais pour déterminer les caractéristiques géométriques
des granulats - Partie 10: Détermination des fines -
Granularité des fillers (tamisage dans un jet d'air)

Prüfverfahren für geometrische Eigenschaften von
Gesteinskörnungen - Teil 10: Beurteilung von Feinanteilen -
Kornverteilung von Füller (Luftstrahlsiebung)

This European Standard was approved by CEN on 12 June 2009.

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 CEN 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 CEN Management Centre has the same status as the official versions.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 933-10:2009) has been prepared by Technical Committee CEN/TC 154 “Aggregates”, the secretariat of which is held by BSI.

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 January 2010, and conflicting national standards shall be withdrawn at the latest by January 2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 933-10:2001.

This standard forms part of a series of tests for geometrical properties of aggregates. Test methods for other properties of aggregates are covered by parts of the following European Standards:

- EN 932, Tests for general properties of aggregates
- EN 1097, Tests for mechanical and physical properties of aggregates
- EN 1367, Tests for thermal and weathering properties of aggregates
- EN 1744, Tests for chemical properties of aggregates
- EN 13179, Tests for filler aggregate used in bituminous mixtures

The other parts of EN 933 will be:

- Part 1: Determination of particle size distribution — Sieving method
- Part 2: Determination of particle size distribution — Test sieves, nominal size of apertures
- Part 3: Determination of particle shape — Flakiness index
- Part 4: Determination of particle shape — Shape index
- Part 5: Determination of percentage of crushed and broken surfaces in coarse aggregate particles
- Part 6: Assessment of surface characteristics — Flow coefficient for aggregates
- Part 7: Determination of shell content — Percentage of shells in coarse aggregates
- Part 8: Assessment of fines — Sand equivalent test
- Part 9: Assessment of fines — Methylene blue test
- Part 11: Classification test for the constituents of coarse recycled aggregate

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard describes the reference method used for type testing and in cases of dispute for determining the particle size distribution up to 2 mm size of natural or manufactured origin filler aggregate using air jet sieving. For other purposes, in particular factory production control, other methods may be used provided that an appropriate working relationship with the reference method has been established.

NOTE A wet sieving procedure conforming to EN 933-1 can be used as an alternative method. However, this procedure is not applicable for mixed filler.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 932-2, *Tests for general properties of aggregates — Part 2: Methods for reducing laboratory samples*

EN 932-5, *Tests for general properties of aggregates — Part 5: Common equipment and calibration*

EN 933-2, *Tests for geometrical properties of aggregates — Part 2: Determination of particle size distribution — Test sieves, nominal size of apertures*