

Tests for geometrical properties of aggregates

Part 1: Determination of particle size distribution — Sieving method

The European Standard EN 933-1:1997, with the incorporation of amendment A1:2005, has the status of a British Standard

ICS 91.100.20

National foreword

This British Standard is the English language version of EN 933-1:1997, including amendment A1:2005.

The start and finish of text introduced or altered by CEN amendment is indicated in the text by tags **A1** **A1**. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment A1 is indicated by **A1** **A1**.

The UK participation in its preparation was entrusted by Technical Committee B/502, Aggregates, to Subcommittee B/502/6, Test methods, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

It is also included in a package of European Standards declared by CEN/TC 154. Although it states in the foreword to the EN that the date of withdrawal of conflicting national standards is not later than February 1998, this has now been superseded by a date of withdrawal of 1 December 1999 for all conflicting national standards covered by the CEN/TC 154 package. Because of the timing of the announcement of the confirmation of the CEN/TC 154 package, it was not possible to alter the date of withdrawal quoted in the ratified text of the EN.

This part of this European Standard will supersede BS 812-103.1:1985.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, the EN foreword page, a contents page, a blank page, pages 1 to 7 and a back cover.

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English version

**Tests for geometrical properties of aggregates —
Part 1: Determination of particle size distribution —
Sieving method**
(including amendment A1:2005)

Essais pour déterminer les caractéristiques géométriques des
granulats —
Partie 1: Détermination de la granularité — Analyse
granulométrique par tamisage
(inclut l'amendement A1:2005)

Prüfverfahren für geometrische Eigenschaften von
Gesteinskörnungen —
Teil 1: Bestimmung der Korngrößenverteilung —
Siebverfahren
(enthält Änderung A1:2005)

This European Standard was approved by CEN on 1997-07-16. Amendment A1 was approved by CEN on 11 August 2005. 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.

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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 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 February 1998, and conflicting national standards shall be withdrawn at the latest by February 1998.

This Standard forms part of a series of tests for geometrical 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 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*

A European Standard *Test for filler aggregate used in bituminous mixtures*, is in preparation.

The other Parts of EN 933 will be:

- 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 crushed and broken surfaces in coarse aggregate particles*
- Part 6: *Determination of texture/shape — Flow coefficient of coarse aggregates*
- Part 7: *Determination of shell content — Percentage of shells for coarse aggregates*
- Part 8: *Assessment of fines — Sand equivalent test*
- Part 9: *Assessment of fines — Methylene blue test*
- Part 10: *Determination of fines — Grading of fillers (air jet sieving)*

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 United Kingdom.

Foreword to amendment A1

This European Standard (EN 933-1:1997/A1:2005) has been prepared by Technical Committee CEN/TC 154 “Aggregates”, the secretariat of which is held by BSI.

This Amendment to the European Standard EN-933-1:1997 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2006, and conflicting national standards shall be withdrawn at the latest by April 2006.

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