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Any reference to SABS SM 829 is deemed
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SOUTH AFRICAN NATIONAL STANDARD

Sieve analysis, fines content and dust content of aggregates

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Table of changes

Change No.	Date	Scope
Amdt 1	2002	Amended to update normative references.
Amdt 2	2008	Amended to change the designation of SABS standards to SANS standards and to update referenced standards.

Foreword

This South African standard was approved by National Committee SABS/TC 081/SC 01, *Construction materials, products and test methods – Cement, lime and concrete*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This document was published in February 2008. This document supersedes SABS SM 829:2002 (edition 2.1).

A vertical line in the margin shows where the text has been technically modified by amendment No. 2.

**Reaffirmed and reprinted in July 2014.
This document will be reviewed every five years
and be reaffirmed, amended, revised or withdrawn.**

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Sieve analysis, fines content and dust content of aggregates

1 Scope and field of application

This standard specifies a method for determining the particle size distribution of coarse and fine aggregates down to 75 µm, by means of sieving. The handling and correct use of sieves is also described.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. All standards are subject to revision and, since any reference to a standard is deemed to be a reference to the latest edition of that standard, parties to agreements based on this standard are encouraged to take steps to ensure the use of the most recent editions of the standards indicated below. Information on currently valid national and international standards can be obtained from the SABS Standards Division.

ISO 565, *Test sieves – Metal wire cloth, perforated metal plate and electroformed sheet – Nominal sizes of openings.*

ISO 2591-1, *Test sieving – Part 1: Methods using test sieves of woven wire cloth and perforated metal plate.* Amdt 2

ISO 6274, *Concrete – Sieve analysis of aggregates.*

SANS 197, *Preparation of test samples of aggregates.*

SANS 3310-1/ISO 3310-1, *Test sieves – Technical requirements and testing – Part 1: Test sieves of metal wire cloth.* Amdt 1

SANS 3310-2/ISO 3310-2, *Test sieves – Technical requirements and testing – Part 2: Test sieves of perforated metal plate.* Amdt 1

3 Definitions

For the purposes of this standard, the following definitions apply:

3.1

coarse aggregate

aggregate of particle size such that it is retained on a sieve that has square apertures of nominal size 4 750 µm