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SOUTH AFRICAN NATIONAL STANDARD

Concrete tests

Part 2: Sampling of freshly mixed concrete

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Table of changes

| Change No. | Date | Scope |
|-------------------|-------------|---|
| Amdt 1 | 2006 | Amended to change the designation of SABS standards to SANS standards, with no technical changes. |

Foreword

This South African standard was prepared 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, in compliance with annex 3 of the WTO/TBT agreement.

This edition is technically identical to the first revision (SABS SM 861-2:1994).

SANS 5861 consists of the following parts, under the general title, *Concrete tests*:

Part 1: Mixing fresh concrete in the laboratory.

Part 2: Sampling of freshly mixed concrete.

Part 3: Making and curing of test specimens.

Compliance with this document cannot confer immunity from legal obligations.

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| <p>Reaffirmed and reprinted in July 2017. This document will be reviewed every five years and be reaffirmed, amended, revised or withdrawn.</p> |
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Concrete tests

Part 2: Sampling of freshly mixed concrete

1 Scope

This part of SANS 5861 covers procedures for obtaining samples of freshly mixed concrete that have been delivered in measured or measurable quantities to a site or mixed in a laboratory, and on which tests to determine compliance with the requirements of the relevant standard(s) are to be performed.

2 Definitions

For the purposes of this part of SANS 5861, the following definitions apply:

2.1

batch

unit or a defined quantity of freshly mixed concrete that is to be sampled

2.2

increment

quantity of concrete taken by the single operation of a scoop

2.3

sample

quantity of concrete that is representative of a batch, that usually consists of a number of increments and of which the properties are to be determined

3 Apparatus

3.1 Scoops, that are fitted with handles, are made of a metal that is not readily attacked by cement, and are of known capacity so that the volume of concrete taken is known.

3.1.1 For sampling from a moving stream of concrete, use a box-shaped scoop that has a handle long enough to be held safely and easily with both hands, and that has side-walls that are high enough to prevent excessive spilling of concrete.

3.1.2 For sampling from static concrete, use a scoop that is in the form of a shovel that has a high back and high side-walls, to facilitate penetration into the concrete.

3.2 Containers, that are of a size suitable for collecting the required increments of concrete, and that have adequate rigidity, are watertight and are made of a material that is not readily attacked by cement.