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# SANS 5861-2:2006

Edition 2.1

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to be a reference to this standard  
(Government Notice No. 1373 of 8 November 2002)

## SOUTH AFRICAN NATIONAL STANDARD

### Concrete tests

### Part 2: Sampling of freshly mixed concrete

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**Table of changes**

| <b>Change No.</b> | <b>Date</b> | <b>Scope</b>  |
|-------------------|-------------|---|
| 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.*

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**Reaffirmed and reprinted in July 2017.  
This document will be reviewed every five years  
and be reaffirmed, amended, revised or withdrawn.**

## **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.