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SOUTH AFRICAN NATIONAL STANDARD

Precast concrete manhole sections and components

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Table of changes

Change No.	Date	Scope
Amdt 1	2012	Amended to update referenced standards.

Foreword

This South African standard was approved by National Committee SABS SC 59A, *Construction standards – 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 July 2012.

This document supersedes SANS 1294: 2006 (edition 2).

A vertical line in the margin shows where the text has been technically modified by amendment No. 1.

Annex A forms an integral part of this document. Annexes B and C are for information only.

Contents

	Page
Foreword	
1 Scope	3
2 Normative references	3
3 Definitions	4
4 Materials	4
5 Requirements	5
5.1 General	5
5.2 Covers (lids) and frames	6
5.3 Steps	7
5.4 Chamber and shaft sections and starter rings	8
5.5 Slabs	9
5.6 Precast bases	10
5.7 Solubility of calcareous aggregate concrete	11
5.8 Installation	11
6 Sampling and testing procedures	16
6.1 General	16
6.2 Tests (proof load)	17
7 Inspection and testing	17
7.1 Chamber sections, shaft sections and starter rings	17
7.2 Cover slabs, reducer slabs, spacer slabs and adapter slabs	20
7.3 Steps	23
7.4 Precast bases	24
7.5 Precast concrete covers (lids) and frames	26
7.6 Test for solubility of calcareous aggregate concrete	27
8 Marking	29
Annex A (normative) Notes to purchasers	30
Annex B (informative) Notes for the installation of manhole components	31
Annex C (informative) Quality verification of precast concrete manhole sections and components	33
Bibliography	33

SANS 1294:2012
Edition 2.1

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Precast concrete manhole sections and components

1 Scope

This standard covers precast concrete sections, slabs, bases, lids and frames intended for use in the construction of manholes (including inspection chambers) in stormwater, drainage, and sewage pipelines.

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.

ASTM C494, *Standard specification for chemical admixtures for concrete.*

BS 4482, *Specification for steel wire for the reinforcement of concrete products.*

SANS 558, *Cast iron surface boxes and manhole and inspection covers and frames.*

SANS 920, *Steel bars for concrete reinforcement.*

SANS 1024, *Welded steel fabric for reinforcement of concrete.*

SANS 1083, *Aggregates from natural sources – Aggregates for concrete.*

~~SANS 1491-1, *Portland cement extenders – Part 1: Ground granulated blast-furnace slag.*~~ Amdt 1 |

~~SANS 1491-2, *Portland cement extenders – Part 2: Fly ash.*~~ Amdt 1 |

~~SANS 1491-3, *Portland cement extenders – Part 3: Silica fume.*~~ Amdt 1 |

SANS 50197-1/EN 197-1, *Cement – Part 1: Composition, specifications and conformity criteria for common cements.*

SANS 50413-1/EN 413-1, *Masonry cement – Part 1: Composition, specifications and conformity criteria.*

SANS 50450-1/EN 450-1, *Fly ash for concrete – Part 1: Definition, specifications and conformity criteria.* Amdt 1 |

SANS 50450-2/EN 450-2, *Fly ash for concrete – Part 2: Conformity evaluation.* Amdt 1 |