

Publishing of SANS 3001 and SANS 4001

Sean Strydom

Overview

- Published:
 - SANS 3001: 56 Test methods (including the NG set)
 - SANS 4001: 5 Bitumen specifications
- With SABS:
 - 11 Test methods (including PD1 for the MMLS3)
- Being written:
 - 6 Standards – 3 in final draft and out to comment by industry

- New Work by TCI and SC81-01:
 - Concrete tests and specific concrete aggregate tests
- Currently not considered:
 - Preparation of samples for special bitumen tests such as modified Lottman, air permeability, MMLS and repeated load beam tests.
 - PAV, DSR and BBR
 - MMLS testing for surfacing seals
 - BSM test methods from TG2

- What is new in 2014:
 - SANS 3001 AG14 – Ethylene Glycol Durability Index for Rock
 - SANS 3001 AG16 – Durability Mill Index for Aggregates
 - SANS 3001 GR57 – Initial Stabiliser Consumption of Soils and Gravels
 - SANS 3001 AS22 – Moisture in Asphalt
 - SANS 3001 NG1 – NG5 – Nuclear Gauge

- What is new in 2014:
 - SANS 4001 BT3 – Anionic Road Emulsion
 - SANS 4001 BT4 – Cationic Road Emulsion
 - SANS 4001 BT5 – Inverted Road Emulsion

- What was amended:
 - SANS 3001 AG 3 – ALD by computation
 - SANS 3001 AG20 – Bulk Density, Apparent Density & Water Absorption >5mm
 - SANS 3001 AG21 – Bulk Density, Apparent Density & Water Absorption <5mm
 - SANS 3001 AG23 – Partial & Relative Density
 - SANS 3001 AS 1 – Making of Briquettes
 - SANS 3001 GR 3 - Hydrometer

- What was amended:
 - SANS 3001 GR30 – MDD & OMC
 - SANS 3001 GR31 – MDD & OMC (Lab Stabilised)
 - SANS 3001 GR51 – Sampling, Prep, Compaction & Curing of Cement Stab Material incl. MDD & OMC
 - SANS 3001 GR54 – ITS of Cement Stab Materials

Concrete

- SANS 3001 CO1 – Fresh Concrete
- SANS 3001 CO2 – Hardened Concrete
- SANS 3001 CO3 – Concrete Structures

- SANS 3001 CO1 – Fresh Concrete
 - SANS 3001 CO1- 1 – Concrete Tests - Mixing Fresh Concrete in Lab
 - SANS 3001 CO1- 13 – Self-Compacting Concrete - J-Ring Test
- SANS 3001 CO2 – Hardened Concrete
- SANS 3001 CO3 – Concrete Structures

- SANS 3001 CO1 – Fresh Concrete
- SANS 3001 CO2 – Hardened Concrete
 - SANS 3001 CO2 – 1 – Concrete Tests - Dimensions, Tolerances and Uses of Cast Test Specimens
 - SANS 3001 CO2 – 10 – Mortar Tests - Initial Drying Shrinkage and Wetting Expansion of Mortar
- SANS 3001 CO3 – Concrete Structures

- SANS 3001 CO1 – Fresh Concrete
- SANS 3001 CO2 – Hardened Concrete
- SANS 3001 CO3 – Concrete Structures
 - SANS 3001 CO3- 1 – Concrete Tests - DI Tests - Part 1: Prep of Test Sample
 - SANS 3001 CO3- 5 – Concrete Tests – Drilling, Prep and Testing of Compressive Strength of Cores taken from Hardened Concrete

Concrete Aggregates

- 26 Aggregate Tests for Concrete Stone identified for
 - Revision,
 - Adoption (EN)
 - Minor Amendments to Published 3001 AG methods to suite both applications

Challenges and Silver Linings

- Our dedicated editor at SABS has been promoted
- 10 Amended methods
- Always check for latest edition – e.g.
SANS 3001-GR1: 1.02 indicates
Edition 1 amendment 2

For Discussion

- RPF resolution that SA Industry (all role players) adopt and implement the SANS standards (MTC confirmed October 2014)
- Errors or amendments be referred to DF Wright (cc Sean Strydom, COTO MTC)

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South Africa



Committee of Transport
Officials

Thank You

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