

SEAL LABORATORY TRAINING

QCTO Aligned

ADVANCED SHORT COURSE

OVERVIEW

The main focus of the learning in this course is to build an understanding of the test methods applicable to the seal laboratory. This short course will prepare learners with practical knowledge required as a bituminous materials tester.

COURSE CONTENT

Sampling Test Methods

Sampling from Stockpiles
- TMH5 MB1

Sampling of Bituminous Binders
- TMH5 MB4

Sampling of Slurry Mixtures
- TMH5 MB8

Sampling and Sample Preparation of
Modified Binders
- TG1 MB1 AND MB2

Division of a Sample Using the Riffler
- TMH5 MD1

Division of a Sample by Quartering
- TMH5 MD2

X4 AG Tests Methods

Particle size analysis of aggregates by
sieving
- SANS 3001-AG1

Determination of the average least
dimension of aggregates by direct
measurement
- SANS 3001-AG2

Determination of the flakiness index of
coarse aggregate
- SANS 3001-AG4

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COURSE CONTENT

X7 BT test Methods

Determination of the in-situ permeability of
a bituminous surfacing (Marvil test)
- SANS 3001-BT12

Standard Test Method for Penetration of
Bituminous Materials
- EN1426

Standard Test Method for Softening Point
of Bitumen (Ring- and-Ball Apparatus)
- ASTM D36

Standard Test Method for Viscosity
Determinations (HAAKE)
- ASTM D4402

Ball penetration test for the design of
surfacing seals
- SANS 3001-BT10

Texture depth measurement for the design
of surfacing seals
- SANS 3001-BT11

Measurement of transverse distribution
(‘Bucket test’) for a binder distributor
- SANS 3001-BT24

X1 GR Test Method

Determination of the moisture content by
oven-drying
- SANS 3001-GR20

X1 AS Test Method

Determination of the binder content of
mixtures used in bituminous slurry seals
- SANS 3001-AS22

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ADMISSION REQUIREMENTS

Prospective delegates should at least have a Matric certificate/NQF4



TARGET AUDIENCE

This short course is ideal for laboratory technicians, people working on road construction projects and for those dealing with civil materials at graduate level.



COURSE FEES

Contact us for detailed costing



COURSE DURATION

5-day course



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