



**Presents Materials Testers Course
SANS 4001 – BT1 - 5 & TG 1**

**Module 5
BITUMEN BINDER TESTING**

Presenter:
Barry Pearce
(SANAS Accredited Technical Assessor)

**Mon 7th – Friday 11th September 2020
In Cape Town**

**An intensive 5-day course
08:30 to 16:30 each day**

Course Objectives

- To train candidates in the correct binder test methods as per industry standards.
- Execute testing procedures pertaining to Pen, cutback, emulsion & modified binder materials to the latest SANS 4001 specifications

Course Structure

The course has been structured into the following 7 modules presented over 24 month period:

- Module 1 – Sampling of Materials
- Module 2 - Aggregates testing
- Module 3 - Soils and Natural Gravel testing
- Module 4 – Concrete testing (by TCI)
- Module 5 - Bituminous Binder testing
- Module 6 – Asphalt testing
- Module 7 – Nuclear gauge testing

Who should attend?

- All persons involved in the laboratory testing of bituminous binders
- Those wishing to refresh their knowledge of the correct testing procedures
- Those who wish to get a better understanding of the changes incorporated into the SANS 4001 series.

Cost (incl VAT)

**R 10 000 - for Sabita members
R 11 300 - for NON Members**

NB - Registration will be limited and, will be accepted on a first received basis and only confirmed once payment of the course fees has been received.

Course Programme

Day 1

- Registration, introduction, ice breaker;
- Introduction to bituminous binders & HSE

Day 2

- Multiple choice test,
- Theory on 2nd section on Base binders test methods,
- Afternoon practical session

Day 3

- Multiple choice test,
- Theory on 3rd section on emulsion & cutback test methods,
- Afternoon practical session

Day 4

- Multiple choice test,
- Theory on 4th section of modified binder test methods,
- Afternoon practical session

Day 5

- Multiple choice test,
- Wrapping up binder methods, course evaluation

The test to be covered is as follows:

- Penetration grade bitumen
 - Penetration test, Ring and ball/softening point, Dynamic viscosity, Spot test, Rolling thin film oven test
- Cutback bitumen
 - Distillation test, Kinematic Viscosity, Flash point
- Bitumen emulsions
 - Binder content, Viscosity, Coagulation value, Sedimentation test, Residue test on sieving, Particle charge
- Modified Binder tests
 - As per TG1 applicable to Elastomers & Plastomers

All course notes, a light lunch and teas will be provided. To register, download a registration form at www.asphaltacademy.co.za For more details or any other enquiry call us on 021 5312718.

Comments received from previous attendees

“Course very beneficial to my working environment”

“It was an excellent course!”

“The facilitator really knows his work and helped me to understand things better”

“I would like to attend all your courses”

Course Dates of other MTC modules

For the schedule of the MTC modules, please check the AsAc website under Calendar of Events:

www.asphaltacademy.co.za