



Presents Materials Testers Course:

Module 5 BITUMEN BINDER TESTING

SANS 4001 -BTS – 5 & TG1

**Presenter:
Barry Pearce**

(SANAS Accredited Technical Assessor)

**Mon 12th – Friday 16th October 2020
In Gauteng**

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

Course Objectives

- To train candidates in the correct 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 procedures for these test methods

Cost per person (incl VAT)

R 10 000.00 - for Sabita members
R 11 300.00 - 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 and Health and safety

Day 2

- Multiple choice test
- Theory on 2nd section of Base binder's test methods
- Afternoon practical session

Day 3, 4

- Multiple choice tests
- Theory on 3rd section on emulsion, cutback; 4th section on modified binders
- Afternoon practical sessions.

Day 5

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

The tests to be covered:

- **Penetration grade bitumen:**
Pen test, ring and ball/softening point; dynamic viscosity; Spot test; Rolling thin film oven test
- **Cutback Bitumen:**
Distillation test. Kinematic Viscosity, Flash point
- **Bitumen Emulsion:**
Binder content, viscosity, coagulation value, sedimentation test, residue test on sieving, particle charge
- **Modified binder tests**
As per TG1 applicable to Elastomers and Plastomers

All course notes, a light lunch and teas will be provided. To register, go online to 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 full schedule of the all 2020 MTC modules, please check the Asphalt Academy website under **Course calendar** : www.asphaltacademy.co.za