

# Performance-based asphalt training

The **Basic Mixture Technician Training** provides detailed, hands-on laboratory training on basic aggregate and asphalt mixture testing for experienced and inexperienced technicians. Instruction covers the most current SABITA Manual 35 manual used in the asphalt mix design process. The training focuses on giving trainees a thorough understanding of each test and related processes, while instructing them on the procedures and techniques that will maximise testing accuracy and repeatability. Trainees will receive training on the entire range of activities related to asphalt mix design and testing, namely aggregate sampling and batching, testing aggregate properties, mixing, short-term aging, compaction, and testing of loose and compacted asphalt mixtures. Most of the training time will be spent in the laboratory, with the remaining time spent in a classroom set-up. The training is limited to six trainees to maximise each person's time in the lab with instructors.

The **Advanced Mix Design Training** provides advanced technicians, designers and engineers responsible for mix designs with a thorough understanding of the properties of the materials that compose asphalt mixtures, as well as the physical and mathematical processes involved in producing a successful asphalt mixture design as per SABITA Manual 35. Trainees will receive training on the entire range of activities related to the design of asphalt mixtures, namely aggregate and binder selection, material properties, development of trial blends, batching, volumetric calculations and analysis,



SABITA Manual 35 mix criteria, mix performance tests and criteria, use of reclaimed asphalt pavement in asphalt mix designs, etc.

This **Specialist Mix Design Training** provides advanced technicians, designers and engineers with a valuable method for understanding how the aggregate structure of an asphalt mixture affects volumetrics, field compactability and segregation potential. It covers the basics of the Bailey Method and the factors that influence the way aggregate particles pack together, and how to define and evaluate mix types according to Bailey Method principles.

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