

# LABORATORY SERVICES

Since its inception SNALAB (previously trading as Padmaak Laboratories) has been involved in all aspects of materials testing related to civil construction and design. The laboratory has provided a service for more than 30 years and has undertaken design testing as well as on-site control testing country wide. SNALAB has branch laboratories in Richards Bay and Bloemfontein as well as various de-centralised field units.



IN-SITU TESTS

SNALAB has also developed a mobile laboratory which is ideal for road rehabilitation and maintenance supervision. The laboratory can execute numerous tests, including:

- Binder tests
  - bitumen
  - modified binders
  - bitumen rubber
- Aggregate tests
- Soil tests
  - density tests
  - Atterberg limits
  - DCP tests
- Binder application control
  - ball penetration
  - texture depth



QUALITY CONTROL OF AGGREGATE FOR SEALWORK



DETAIL DESIGN IN THE LABORATORY



DETAIL DESIGN IN THE OFFICE

SNALAB promotes quality concepts and prides itself on its excellent service. SNALAB provides prompt and well-calibrated test results for the following:

- Field investigations
- Centreline and borrow pit investigations
- Road rehabilitation
- Compaction quality control
- Construction materials
  - soils
  - aggregates
- Bituminous Surfacing mixtures
  - design quality control
- Concrete
  - design quality control
- Chemical tests
- Geotechnical and other civil surveys and investigations



QUALITY CONTROL OF AGGREGATE FOR SEALWORK



Civil and Development Engineers (Pty) Ltd