

Overview of our Services

Binder

- Investigation of bituminous binders
- Dynamic shear test on bituminous binders using DSR (Dynamic Shear Rheometer)
- GPC for quality management of polymer modified bitumen
- Adhesion properties between mineral aggregates and bituminous binders
- Investigation using AFM-FTIR (Atomic Force Microscope with Nanoscale Infrared Spectroscopy)

Bituminous mixtures

- European standard tests for bituminous mixtures
- Sample preparation using Marshall-, Gyrator- or rutting
- Inter layer bonding tests of asphalt cores
- Rutting test (large size device)
- Dynamic tests (modulus determination, fatigue behaviour, cyclic compression test)

Road condition management

- Traffic load simulator: Mobile Load Simulator MMLS
- IR-Thermography in road construction

Sealing components and expansion joints

- Investigation of polymer bitumen sealing compounds
- Adhesion of bituminous waterproofing membranes
- Test on polymer bituminous bridge expansion joints