



**STATE ASPHALT
SERVICES**

A KYPREOS COMPANY



Asphalt, Aggregate & Bitumen Testing

STATE ASPHALTS NSW LABRATORY

State Asphalt NSW has been a leader in the testing of asphalt, aggregates, and bitumen for over 50 years. Throughout this time, we have continuously invested in our facilities, optimized processes, and trained our employees to meet the rapidly evolving construction techniques. Our commitment to quality is underscored by our participation in proficiency test schemes for asphalt, aggregate, and bitumen, ensuring a consistently high level of quality and assurance across all our laboratories.

Innovative Solutions

State Asphalt NSW specialises in developing innovative solutions to maximize the performance of proprietary asphalt mix and spray seal designs. We are dedicated to optimizing the benefits of asphalt technology through continuous research and development, promoting innovation in the industry.

St Marys Lab

Our state-of-the-art St Marys lab provides specialized testing and product development services to our customers. Our certified technicians adhere to Australian and International Test Methods, performing a comprehensive suite of tests including:

Bitumen Testing

- Penetration Bituminous Materials
- Torsional Recovery of PMB (Polymer Modified Bitumen)
- Softening Point of Bituminous Materials
- Determination of Elastic Recovery and viscosity of Bituminous Materials
- Adhesion of binder to stone
- Rolling Thin Film Oven test
- Loss of Heating of PMB
- Matter Insoluble in toluene
- Viscosity – Temperature Chart

Aggregate Testing

- Resistance to Stripping Cover Aggregates and Binders
- Average Least Dimension 10mm, 7mm and 5 mm
- Shape
- Density of aggregate
- Water absorption
- Soundness

Asphalt Testing

- Sampling of Asphalt
- Asphalt Binder Recovery
- Mixing and Quartering
- Compaction using Gyrotory and Servo Compactor
- Reflux Method, Bitumen Content and aggregate grading
- Marshall Compactor
- Maximum density – water displacement
- Bulk Density
- Binder film thickness
- Resilient Modulus of asphalt
- Wheel tracking test
- Hamburg Wheel Tracking Test
- Fatigue and flexural properties
- Slab compaction.

Our highly qualified personnel at St Marys lab are at the forefront of developing new asphalt mixes. By replacing non-renewable materials with low carbon emission alternatives, we reduce energy consumption and enhance performance to ensure longer-lasting asphalt solutions.

Contact Us

Discover how State Asphalt NSW can support your projects with superior testing and innovative solutions. Visit us at kypreosgroup.com.au or contact us at 02 9607 1950 for more information.