

Testing Times – What ARRB’s labs have done in the past 6 months



The following stats and highlighted details per work area for the last 6 months:

Bitumen



The total tests:
2,012



The total mass of bitumen tested:
626 kg



Tests of note:

- Several LDPE & HDPE plastic bitumen blends manufactured
- A significant amount of Crumb rubber blends manufactured
- Federally funded spray seal binder aging study utilising portable Fourier Transform Infrared spectroscopy
- Research work anchoring the development into future Australian test methods

Asphalt



The total tests:
2,226



The total mass of asphalt produced supplied
3,108 kg 407 kg



Tests of note:

- LDPE plastic in asphalt tested for performance characteristics
- 100% recyclable asphalt tested for performance characteristics
- 340 asphalt beams tested for flexural stiffness and fatigue
- A significant amount of crumb rubber asphalt manufactured and tested for performance characteristics

Pavements



The total tests:
1,762



The total mass of pavement tested:
17,571 kg



Tests of note:

- 16 combinations of recycled material (crushed glass, crushed brick, crushed concrete) tested for deformation
- 335 FBS beams tested for flexural stiffness, fatigue and strength
- Research work into the development into future Australian test methods for granular pavements
- 335 FBS beams manufactured



The total number of tests: **6,000**
The total mass of material tested: **21,712 kg**
Mentoring and training the next generation of road material experts

