

Wingfield Asphalt Plant & Laboratory Capability

Leading Sustainable Asphalt Manufacturing

South Australia's Premier Asphalt Solution: Downer's advanced Ammann Universal HRT asphalt plant and RAP processing facility at Wingfield enable us to efficiently deliver sustainable, high quality asphalt for projects of any size across South Australia.



Easing the strain on municipal landfills by reprocessing waste materials to be used in road and construction projects



Facility run entirely on gas with diesel backup capability for emergency, and features on-site water recycling facilities for sustainable manufacturing



Reclaimed Asphalt Pavement (RAP) processing facility allowing the on-site sorting, grading and testing of incoming materials for recycling and future use in asphalt and base course materials



Production capability of 360 tonnes per hour, with hot-storage capacity of 650 tonnes, capable of servicing any size asphalt project across South Australia



Capacity to produce high RAP content (10-100%) and special purpose asphalt mixes to required specifications.



The latest computer-controlled systems providing real-time quality process control while tracking energy consumption and CO₂ production



NATA certified technical laboratory facilities on site ensuring quality control of each asphalt batch produced, and leading research, development and proving processes for new, innovative road surfacing solutions



Batch-drop capacity of 1.25 to 5 tonnes, enabling quick vehicle turnaround in minutes and simultaneous supply of various asphalt products to meet diverse order needs

The Wingfield Advantage

Purpose-built technology delivering superior quality, sustainability, and efficiency

With bitumen and aggregates more expensive than ever, municipalities are recognising the inherent environmental and economic value of the road assets they already own.

In 2013, Downer invested in an Ammann Universal HRT batch asphalt manufacturing facility at Wingfield, fully registered and licensed by the Environmental Protection Authority for both asphalt production and recycling. Unlike conventional drum plants, which combine all materials in a single process, the Wingfield facility enables the separation and precise control of key inputs.

This continuous advanced configuration supports accurate material measurement, enhanced quality management, and greater control of the blending process, enabling variable batch sizing to meet customer needs and consistent production of high-quality asphalt, including designs incorporating reclaimed materials without the need for virgin quarry materials, bitumen, or poly-binders.



Did you know?

To deliver a specification compliant sustainable pavement, reclaimed asphalt (RAP) content requires gentle, precise, and even heat during the manufacturing process.

By avoiding the need to superheat the recycled asphalt pavement material, the integrity and performance of the recovered bitumen is maintained.

Our investment in South Australia's most technologically advanced asphalt plant our flexible pavement products manufacturing hub in Wingfield, Downer has achieved savings of more than:



244,253 tonnes
of CO₂-e since the plant's
commissioning in 2014



equivalent to
100,978 cars off the state's roads, or
16,318 household's average annual
emissions