

Downer Recycling Facility

Engineering End of Life Materials into Sustainable Infrastructure Solutions

The Downer Recycling Facility is a strategically important, EPA approved recycling and resource recovery operation supporting South Australia's road, transport and civil infrastructure sector.

The recycling facility specialises in the **recovery, re engineering and re-purposing of end of life engineered materials**, converting them into **high performance, specification compliant pavement materials**. This capability enables practical, scalable delivery of circular economy outcomes without compromising cost, performance, safety or compliance.

As part of Downer's integrated **Asphalt & Products** business, the recycling facility plays a critical role in strengthening **supply chain resilience**, reducing dependence on volatile virgin materials, and supporting consistent, high quality service delivery across South Australia.

What we do

The recycling facility delivers a closed loop recycling solution for construction and demolition materials, transforming end of life asphalt, concrete and granular waste into engineered materials ready for reuse in new infrastructure applications.

Our capability spans:



Inbound acceptance and controlled processing of end of life engineered materials



Manufacture of specification compliant recycled pavement materials



Material segregation, crushing, screening and blending to deliver fit for purpose outcomes



Integration with Downer's broader asphalt manufacturing, logistics and delivery networks

This approach ensures materials progress from end of life to engineered reuse, rather than disposal.

Key Products & Solutions

Reconobase®

A 100% circular pavement solution, engineered entirely from reclaimed asphalt and granular end of life materials.

Key attributes:

- Engineered, specification compliant **road base and sub-base materials**
- Consistent performance, constructibility and supply reliability
- Reduced reliance on virgin quarry materials
- Supports landfill diversion, resource recovery and circular procurement objectives
- Designed for repeatable use across state, local government and civil infrastructure projects

Reconobase demonstrates how **end of life engineered materials can be re engineered into new, compliant pavement solutions at scale.**

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Environmental & Sustainability Outcomes

The recycling facility plays a central role in enabling customers to **achieve measurable sustainability and circular economy outcomes**.

Our operations support:

- Increased diversion of end of life engineered materials from landfill
- Reduced demand for virgin raw materials
- Lower whole of life environmental impacts in suitable pavement applications
- Alignment with ISCA, local government and circular economy policy objectives

By enabling end of life materials to be confidently **re engineered, specified and reused**, the recycling facility helps normalise circular pavements as a **mainstream infrastructure solution**.

Scale & Capability

The recycling facility operates at **meaningful industrial scale**, supporting:

- High annual volumes of incoming and outgoing engineered materials
- Reliable, consistent supply for councils, developers and infrastructure projects
- Improved utilisation and return on Downer's recycling and manufacturing assets

This scale enables the recycling facility to support **both immediate project delivery and long term program requirements**, rather than isolated or pilot recycling initiatives.

Quality, Compliance & Assurance

The recycling facility operates under **robust quality, environmental and safety management systems**, providing confidence for asset owners, designers, regulators and delivery partners.

- EPA certified facility and regulated operations
- Incoming material inspection, segregation and traceability controls
- Ongoing product testing and compliance verification
- Alignment with relevant state, council and project specifications
- Integration with Downer's quality, safety and zero harm governance frameworks

All materials are manufactured to be **fit for purpose, repeatable and auditable**, with transparency around inputs, processing and performance.

Our Commitment

Downer's continued investment in the Recycling Facility reflects a **long term commitment to South Australia's infrastructure, communities and environment**.

We believe circular solutions must be:

- **Technically sound**
- **Commercially viable**
- **Operationally reliable**

The recycling facility exists to ensure **end of life engineered materials are transformed into practical, scalable and repeatable infrastructure solutions – today and into the future**.

Why Downer Recycling Facility

- ✓ Backed by **Downer's national infrastructure and delivery capability**
- ✓ Proven operational, quality and governance frameworks
- ✓ Designed for real **world delivery at scale**, not experimental concepts
- ✓ Supports cost certainty, sustainability outcomes and supply resilience
- ✓ Trusted partner to government, councils and industry