

Turning Waste into Value Added Products





Services in Victoria



- Asphaltsupply
- Asphalt laying
- Asphalt profiling
- Bitumen spraying and sealing
- Microsurfacing
- Surface rejuvenation
- In-situ stabilisation

- Innovative products and solutions
- Intelligent Transport Systems
- Traffic Management
- NATA-accredited research, development and laboratory facilities
- NATA-accredited RIDE car



- Detritus processing and material recycling
- Recycled road base
- Ex-situ cement stabilised base
- Ex-situ foam stabilised base
- Sustainable solutions



- Road network management
- Asset Maintenance
- Routine maintenance
- Intelligent transport systems
- Smart city infrasructure

Downer: Our Purpose and Values

Our Purpose

Enabling Communities to Thrive

Our Values

Connection Respect Excellence Integrity

Our Sustainability Objectives:

Avoid Waste

Avoid Waste Going to Landfill

Recycle/Reuse

Use Recycled Materials to Replace Virgin Materials

Reduce Carbon

Reduce our Carbon Footprint to Zero by 2050

Repurposed materials currently utilised in Asphalt at Downer



- Reclaimed asphalt pavement (RAP)
- Used toner cartridges
- Waste glass
- Waste soft plastic
- Waste oil
- Waste tyre rubber.
- Recycled sands and aggregates from the detritus process
- Repurposed Construction and Maintenance Waste
- Steel Slag.







Our Journey With EcologiQ

- Downer and EcologiQ share common objectives:
 - "Recycled First" for Greener Transport Infrastructure
- EcologiQ encouraged the industry to recycle more
- EcologiQ facilitated discussions between Downer as a supplier and Department Of Transport as the regulator
- The Department of Transport and Downer agreed a testing regime to validate material

performance characteristics

- Reconophalt Asphalt containing Recycled Asphalt Pavement, Soft Plastics, Printer Toner and Crushed Recycled Glass first registered
- Environmental Testing
- Health Testing



Reconophalt - Soft Plastics & Toner into Asphalt

















Performance Benefits

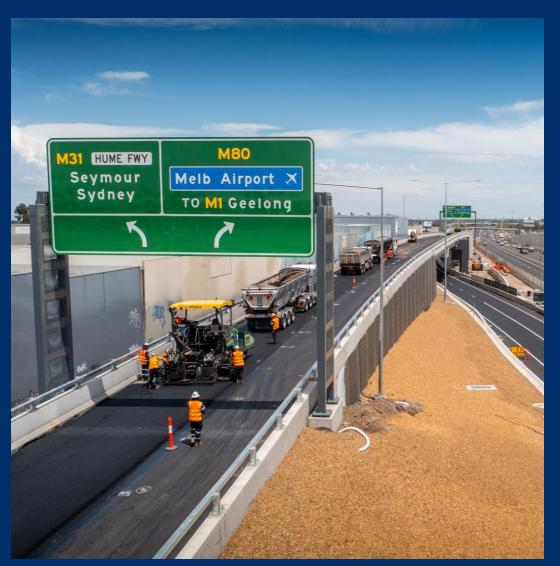


The Outcome



Produced and Laid Reconophalt on:

- The M80 Freeway
- The Monash Freeway
- Many other MRPV Suburban Road Upgrade projects
- Local Government Roads
- Subdivisions
- Carparks



ReconophaltTM

Laid on the M80 & Monash Freeways



Created Savings of 400t CO2e

And Diverted:

42.6 million

plastic bags/ soft plastics



1.24 million

used toner cartridges



14,400 tonnes

reclaimed asphalt



6 million

recycled glass bottles



Reconophalt placed on the Monash and M80 Freeways = 47,918t

