

Reconophalt™

The first choice to sustainably pave Australia

Downer's Reconophalt™ is Australia's first asphalt product containing high-recycled content derived from true waste streams that would otherwise be bound for landfill.

Materials that make up our Reconophalt™ mixes include:

- Soft and scrunchable plastic bags and packaging
- Waste glass destined for landfill or indefinite stockpiling
- Waste toner from used printer cartridges
- Reclaimed asphalt pavement (RAP) from end-of-life roads
- Crumb rubber from end-of-life tyres
- Coarse aggregate and sands from street sweepings.

Materials are sourced through Downer's partnerships with Close the Loop, Downer's own re-purposing facilities, and other suppliers of recycled resources.

Downer is able to vary the mix constituents and proportions of Reconophalt™ in line with local recyclable material availability to suit our individual customers and their local road surfacing needs.

A one-kilometre, two-lane road paved with Reconophalt™ will divert from landfill:

 122,000 glass bottle equivalents

 590,000 plastic bag equivalents

 5,200 printer cartridges

 202 tonnes recycled asphalt pavement

Creating a saving of:

 6.08 tonnes carbon dioxide equivalent

 equivalent to 2.5 cars off the road for one year

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Downer's Reconophalt™ is suitable for any application where standard C170/C320/C450/C600/M1000 binder is specified, for underlying base layers, and non-modified wearing course asphalt.

Pavement construction using Reconophalt™ is no different to traditional methodologies, using standard paving equipment, with **no increased environmental risk** compared to traditional asphalt.

Reconophalt™ mixes comply with AS2150 and standard state road authority specifications, while providing increased fatigue resistance for extended pavement life and resistance to deformation.

Did you know?

427,000 tonnes

of Reconophalt™ has been laid on roads across Australia since May 2018

Enhanced performance

Based on minimum addition, there is a 50% increase in fatigue life and 15% improvement in rut resistance when compared to straight binder asphalt derivatives

Reconophalt is **perpetually Recyclable**



Reconophalt™ Environmental Product Declaration

Downer's world-first Environmental Product Declaration (EPD) for sustainable asphalt, developed in accordance with ISO 14025 and EN 15804, is available for download at:

<https://epd-australasia.com/epd/reconophalt/>