

## Reconophalt™

The first choice to sustainably pave Australia

Downers Reconophalt™ is Australia's first asphalt product containing recycled content derived from 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™ 4.35 will divert from landfill.



**122,000**  
glass bottle  
equivalents



**590,000**  
plastic bag  
equivalents



**6.08 tonnes**  
carbon dioxide  
equivalent



**5,200**  
printer  
cartridges



**202 tonnes**  
recycled asphalt  
pavement



equivalent to  
**2.3 cars**  
off the road for  
one year

## Contact

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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/>