

Rhinophalt®

Extending pavement life across Australia

A non-disruptive and cost-saving treatment, Rhinophalt® extends the service life of asphalt surfaces, significantly delaying the need for reactive maintenance and resurfacing by up to five years per application.

As part of a long-term asset management strategy, Rhinophalt® is best applied two years before reactive maintenance is needed. For example, if based on local knowledge, asphalt surfaces start to show defects after ten years, application of Rhinophalt® at year eight will arrest deterioration and extend the life of the asphalt surface.

Rhinophalt's Gilsonite natural bitumen and antioxidant penetrates asphalt surfaces through micro-cracks and interconnecting voids to form a hard seal, keeping water out and slowing the aging process, reducing the need for disruptive and costly reactive maintenance.

Did you know?

30,000m²

can be applied in a single shift with minimal disruption required

2 hours

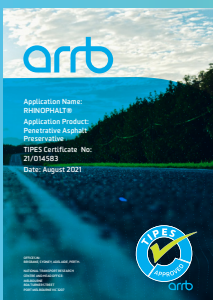
is all that's required for curing, with line markings applied in the same shift

5° C

minimum ambient temperature for application, making Rhinophalt® a versatile year round treatment

Non-disruptive

quiet night-time application with roads fully trafficable by morning



Rhinophalt® ARBB Transport Infrastructure Product Evaluation Scheme Certification

Rhinophalt has been independently assessed by the Australian Road Research Board's Transport Infrastructure Product Evaluation Scheme (TIPES), to "substantially reduce the permeability and increase the durability of existing dense-graded asphalt surfacing layers when applied at the appropriate time."

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Cost-effective and sustainable, Rhinophalt® strengthens and protects asphalt surfaces to significantly extend service life, delivering more than 90% carbon emission savings compared to resurfacing.

Implementation of a Rhinophalt® proactive intervention strategy can slash road asset maintenance and resurfacing costs. Using existing construction data, local government organisations can plan Rhinophalt® application at the earliest stages of surface deterioration, before cracks begin to form and before chip loss occurs.

With more than 22 million m² of Rhinophalt® applied worldwide, application has been proven to routinely extend asphalt life from 10 years to 25 years, following three treatments at 5-year intervals.

At a time when road operators are being asked to make substantial carbon savings, Rhinophalt® is one of the most sustainable and cost-effective treatments for keeping roads in better condition for longer.

Benefits of a Strategic Rhinophalt® proactive intervention plan include:



Asphalt service life extended from circa 10 up to 25 years



Road asset maintenance and resurfacing costs significantly reduced



More than 90% carbon emission savings compared to resurfacing



Reduced ingress of water, salts and contaminants



Can be sprayed during winter periods and at night



Enhanced surface (grip) characteristics improving road safety



Improved wear resistance and reduced reactive maintenance demand



Quiet, quick and non disruptive application



ARRB Transport Infrastructure Product Evaluation Scheme (TIPES) certified

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