



Superior dust suppression
for unsealed roads in any
environment



A product by



Australian Environmental Solutions



Introducing RoadBond® Mg

RoadBond® Mg is a highly effective dust suppression and stabilization product for unsealed roads. Immediately effective upon application, this hygroscopic solution is designed to absorb moisture from the ambient surroundings and agglomerate soil fines, creating a compacted and durable layer. Resistant to traffic wear and continually effective, RoadBond® Mg results in a significant reduction of fugitive dust emissions.

Containing proprietary additives that inhibit corrosion, this common issue, often associated with alternative products, is eliminated. With RoadBond® Mg you can feel confident knowing that your plant equipment and on-site vehicles are protected, and their working life maintained.



Application

RoadBond® Mg is supplied in liquid form and is either applied directly onto the road surface or mixed in during grading. No specialized equipment is required as existing water carts can be used although if you prefer, RoadBond® Mg can be applied by one of our certified partners.

An application of between 1 – 2 L per square meter is required to maintain effective dust control for up to 12 months. Additional top up applications can be made using a half strength solution and the road can be reworked as needed without loss of effectiveness. 1 load of RoadBond® Mg saves up to 240 loads of water on average.

Benefits of RoadBond® Mg

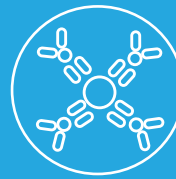
RoadBond® Mg works well in humid and rainy climates as the hygroscopic properties pull moisture from the atmosphere to stop the dust from drying out and becoming airborne.



Eliminates the need for water



Reduces dust immediately



Hygroscopic properties



Naturally derived product

RoadBond® Mg works best on prepared surfaces where loose material is minimal.



Anti-corrosion Additives



Improved soil compaction

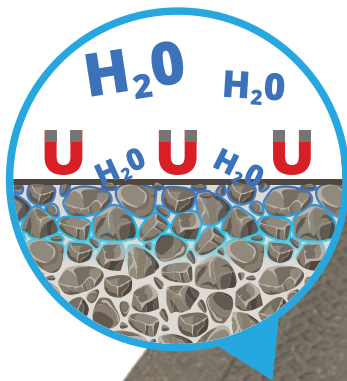


Use existing equipment



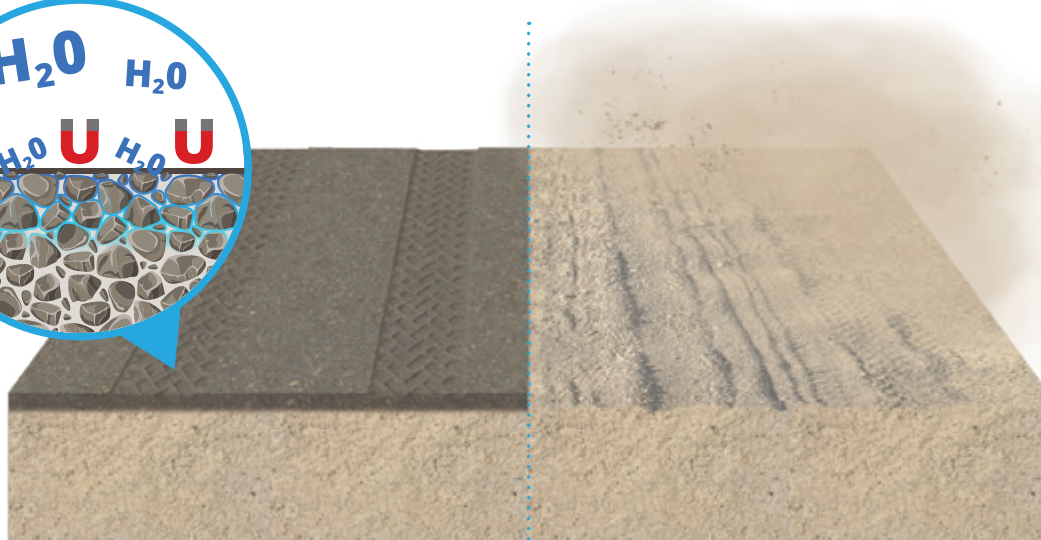
Cost effective

How RoadBond® Mg works



Treated

RoadBond® Mg penetrates the surface and draws moisture to form a coat, agglomerating loose soil particles together resulting in a reworkable dust-free layer. The treated area is ready for use with no curing time necessary.



Untreated

Haul roads are prone to generating dust due to wind erosion and vehicular traffic, especially in dry climates. Over time, the surface becomes less stable and poses adverse mechanical, environmental and health concerns.



Introducing RoadBond® Li

RoadBond® Li is a naturally derived, biopolymer dust suppressant sourced from the wood pulping industry. It is applied to the substrate as a liquid and as it dries it glues together loose particles, preventing dust liftoff and keeping the road base in good condition. This sticky quality stops fugitive dust emissions and helps to stabilize and compact the road base over time. At lower dosages it will work as a dust suppressant and at higher dosages the road base stabilization effect starts to become apparent.

RoadBond® Li is produced using a relatively mild process, resulting in a product with a neutral pH close to 7. The already minor corrosive issues associated with lignosulfonates becomes essentially non-existent. Environmentally sound and with a low impact on infrastructure, RoadBond® Li is an economical and effective tool to fight dust.



Application

RoadBond® Li is supplied as a liquid in either IBCs or bulk tanks and is ready to be applied directly to the surface. Existing infrastructure such as water carts with a spray bar can be used, or one of our certified application partners can be arranged.

An application of up to one litre per square meter is enough for dust suppressant properties while closer to two litres per square meter is required for road base stabilization, in which case RoadBond® Li can also be mixed in while grading.

Eight proven benefits of RoadBond® Li

Effective dust suppression immediately on application, RoadBond® Li Works especially well in dry, arid conditions where fine dust is an issue.

This naturally derived product can be used on unsealed and ungraded roads and provides improved stability.



Eliminates the need for water



Reduces dust immediately



Works in dry arid climates



Naturally derived product



Non-corrosive



Works with or without graded surface

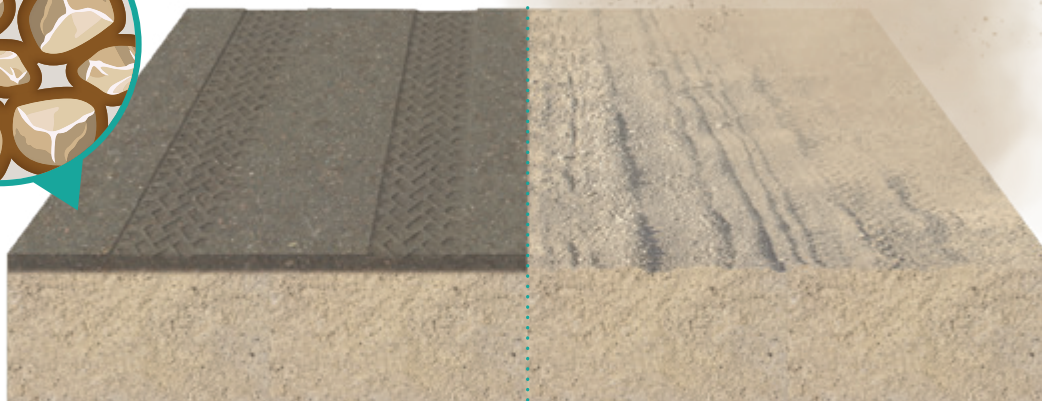


Use existing equipment



Cost effective

How RoadBond Li works



Treated

RoadBond® Li provides a long lasting barrier, binding fine soil particles together resulting in a reworkable dust-free layer. The treated area is ready for use with no curing time necessary.

Untreated

Haul roads are prone to generating dust due to wind erosion and vehicular traffic, especially in dry climates. Over time, the surface becomes less stable and poses adverse mechanical, environmental and health concerns.





RoadBond® is formulated to meet the highest standards of environmental efficiency



Scan me



100% Success Rate Guaranteed

SUPPLY

Our products and services are supported by the expertise and consultation of our specialist team of agronomists, horticulturalists and soil scientists. RoadBond® is made with the highest quality materials which are extensively tested for safety and performance on some of the most depleted and degraded soils in Australia. We are confident you will achieve project success first time.

APPLY

Our highly trained technicians utilise specialist equipment to apply products with precision and accuracy, meeting Australian Safety, Environmental and Quality standards. Surpassing this, our ability to utilise drone technology for the application of solutions improves the quality and efficiency of our operations. Each project comes with a tailored Quality Management Plan and an Inspection & Test Plan (ITP) to identify and record project specifications and requirements.

GUARANTEE

Our scientifically developed solutions and expert application methods enable us to deliver an end-to-end solution which makes this guarantee possible. Each project solution is tailored for specific site requirements and longevity targets which requires a tailored guarantee to ensure success for your project.



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