



HydroBond

Dust Suppression for Revegetation

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A product by

 **ERIZON**

Australian Environmental Solutions

ENGINEERED FOR REVEGETATION



Introducing HydroBond

When dust is the immediate concern, but longer-term revegetation is the goal, HydroBond is the perfect solution. Made with unique polymer-based material and blended with proprietary additives, HydroBond binds to the surface to lock-in dust while allowing air and water to penetrate.

The solution is environmentally friendly and tested extensively by some of the most experienced soil scientists in Australia. The liquid is a high concentrate that can be diluted at different rates to achieve project success in a multitude of different site conditions, and to achieve varying levels of functional longevity.

Treated soils form a unique matrix structure ensuring water retention and decrease the leaching of much-needed nutrients, enhancing growth and promoting faster germination of seeds for revegetation. HydroBond is also suitable to be applied with Hydromulch for added water retention and temperature consistency.



- Most effective when applied through HydroTruck equipment
- Cost-effective & environmentally friendly
- Colour options are available
- Promotes faster germination with seed protection
- Applied with or without mulch
- Australian made





4 Common Application Methods

By utilising specialist equipment enables areas over 200,000 square meters of coverage per day, significantly reducing project time and costs, as well as accelerating the reduction of dust.

1



Hose

With the capacity to reach distances over 500 meters, hoses and pumps can safely cover steep and inaccessible slopes as well as delicate and tight spaces with the addition of extended hose reels.

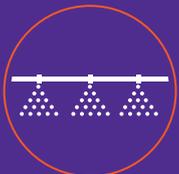
2



Cannon

Hydraulic, truck-mounted cannons are often utilised to apply product efficiently from a distance of over 100 meters. Where required, dual cannons can apply the product from both sides of the spray zone simultaneously.

3



Spray Bar

Perfect for application to flat areas, utilising a spray bar attached to HydroTruck equipment or existing site water carts and tankers are the most economical way to apply HydroBond.

4



Aerial

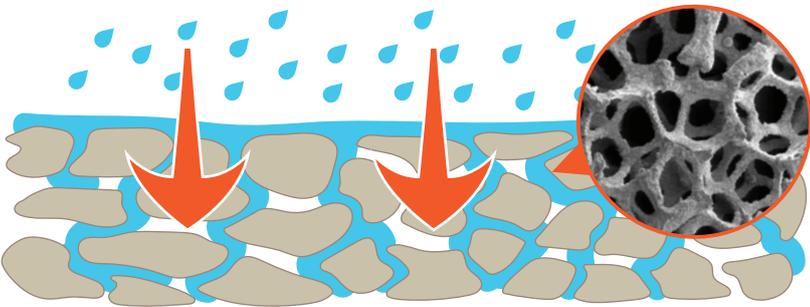
Utilising a fixed-wing plane, helicopter or drone is an effective and highly capable application method when trying to target isolated and challenging to reach areas. Aerial application is extremely suited to tailing storage facilities (TSF) and ash dams where vehicle access is limited.

Application

HydroBond is conveniently in a liquid form and is simply diluted with water and sprayed directly onto the exposed surface, providing superior dust suppression and erosion control. Clear in appearance; a green dye can be added to the mix to ensure even and uniform application.

This versatile dust suppressant can be applied using multiple methods depending on the area size that requires treatment. HydroBond can be used as an additive to existing water carts or can be installed by specialised HydroTruck equipment or aerial application.

How HydroBond works



HydroBond produces a 3D honeycomb matrix throughout the topsoil layer, forming protective crusting. The unique open matrix structure that is formed in the soil ensures that the surface remains permeable to air and water providing an ideal environment for germination.

Formulated to meet the highest standards of environmental efficiency



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. HydroBond 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 the first time around.



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 make sure our clients reach those goals.

