



HydroBond[®]

Dust Suppression for Revegetation

Dust suppression
for revegetation



A product by



Australian Environmental Solutions



Quality
ISO 9001
SAI GLOBAL



Environment
ISO 14001
SAI GLOBAL



OHS
ISO 45001
SAI GLOBAL

ENGINEERED FOR REVEGETATION



Introducing HydroBond®

When dust is an 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 decreasing 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 stabilisation.



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



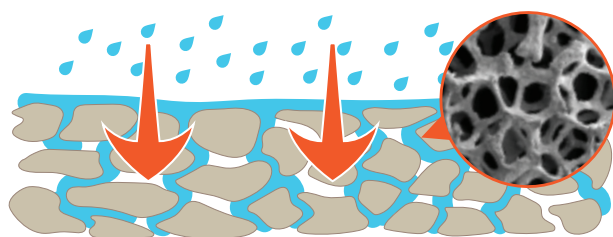


Application

HydroBond® comes in a convenient liquid form that is simply diluted with water and sprayed directly onto the exposed surface, providing superior dust suppression and erosion control. While 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 HydroRig 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.



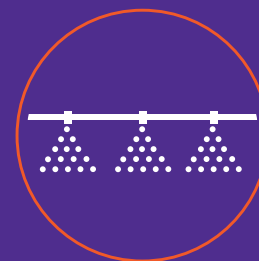
4 Common Application Methods

Our specialist equipment enables coverage of over 50,000 square meters per day, significantly reducing project time and costs, as well as delivering immediate dust reduction.



Hose

With the capacity to reach distances over 400 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.



Spray Bar

Perfect for application to flat areas, use of a spray bar attached to HydroRig equipment or existing site water carts and tankers is the most economical way to apply HydroBond®.



Cannon

Hydraulic, roof-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.



Aerial

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.

HydroBond® 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. 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 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.



Australian Owned & Made



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