



EnviroSoil[®]

Topsoil Alternative

Hydraulically applied
topsoil alternative



A product by



Australian Environmental Solutions



Introducing EnviroSoil®

EnviroSoil® is a hydraulically applied topsoil alternative for when your soil is unable to support revegetation. It is a smarter way to reclaim your land and replace depleted soils.

Active components include thermally refined organic fibres, high carbon, natural soil conditioners, seaweed extracts and mineral blends, including basalt and microbial inoculants. When combined, these ingredients work symbiotically to improve the growing conditions of the rhizosphere.

The unique combination of nitrogen-fixing bacteria, in conjunction with mycorrhizae, works to stimulate the soil, mimicking the natural cycle and thereby creating a sustainable growing medium for the germination of plants. Thermally treated fibres not only provide an interlocking matrix to minimise erosion, but act as a primary food source for microbial colonies to regenerate during initial plant strike.



8 key active components of EnviroSoil®



Bioactive soil conditioner

Retains moisture, suppresses plant disease and pests meeting Australian Standards.



Naturally engineered plant fibres

Provides erosion control and high water retention capabilities.



Mineral fertiliser blend

Slow release of plant nutrients. Conditions soil and contains basalt.



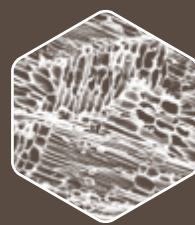
Kelp

Feeds microbial life and stimulates growth.



Site-specific fertiliser

Custom additive to maximise success for site-specific conditions.



Biochar

High nutrient and water holding capacity. Supports soil microbes.



Microbial inoculant

Includes vesicular-arbuscular mycorrhiza (VAM).

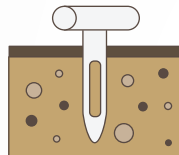
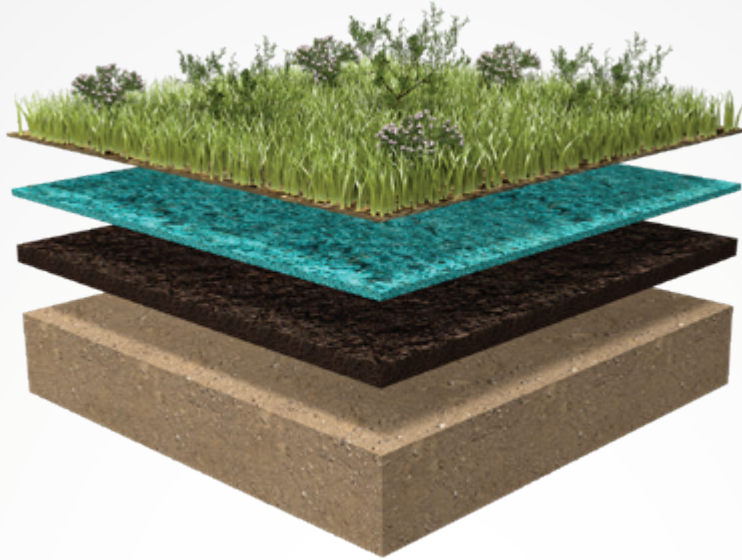


High carbon humate soil conditioner

Source of valuable humic substances.



Revegetation Process



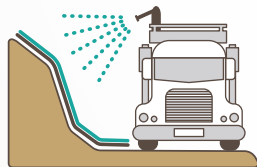
Collect & assess

Soil testing provides essential information to determine how we can optimise vegetative growth in any given environment.



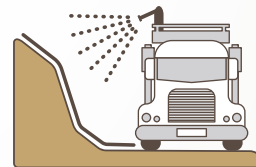
Site soil preparation

Soils are cultivated where required and amelioration is undertaken to prepare the substrate for seeding.



Hydromulch application

Our highly trained technicians ensure that our tailored hydromulching mix, including seed, is precisely mixed and evenly applied to deliver the best possible result.



EnviroSoil® application

The active blend of thermally engineered plant fibres, soil conditioners, extracts and minerals work to rectify the soil's rhizosphere.



Drone spraying

The latest drone technology allows us to easily apply fertiliser, trace elements and soil probiotics 4-8 weeks after seeding application to ensure project success.



Performance monitoring

Monitoring drones fitted with state-of-the-art multispectral and NDVI imaging technology ensure that the project is going as planned.

Why Choose EnviroSoil®?

Comparison of compost and topsoil against EnviroSoil®.

	EnviroSoil®	Compost	Topsoil
Beneficial microbes make soil minerals plant available , produce plant growth hormones and protect from disease. Microbial exudates glue particles together for improved structure.	●	●	○
Microbial and plant growth stimulators improve root growth and increases photosynthesis, creating healthy and strong plants.	●	●	
Mycorrhizae increase plant water and nutrient absorption capacity while the network of fungal elements build soil structure and reduce compaction.	●	●	○
Engineered plant fibres eliminate pathogens and create an interlocking matrix with high water-holding capacity, reducing erosion and helping in promoting vegetation.	●		
Organic hydrocolloidal tackifier – energy source for vital microbes, while also ensuring all materials hold together and to the soil substrate.	●		
Soil structure chemistry improve existing soil structures and pore space, allowing for water infiltration and root penetration while reducing crusting and loss.	●		
Erosion control – a proprietary blend of materials provides superior erosion control.	●		
Weed seed free – zero weed seeds, ensuring site contamination is eradicated.	●	○	○
Investment – EnviroSoil® provides a cost-effective alternative to topsoil and compost.	\$	\$\$	\$\$\$

○ Compost and topsoil will vary from site to site.



Engineered to be hydraulically applied, EnviroSoil® provides ease in application, cutting the costly labour-intensive and time-consuming efforts involved in traditional methods of laying and spreading topsoil.



Utilising EnviroSoil® in place of costly topsoil will not only reduce overall project costs, but provide the same amount of soil building and organic components as traditional solutions to help establish growth on challenging sites.

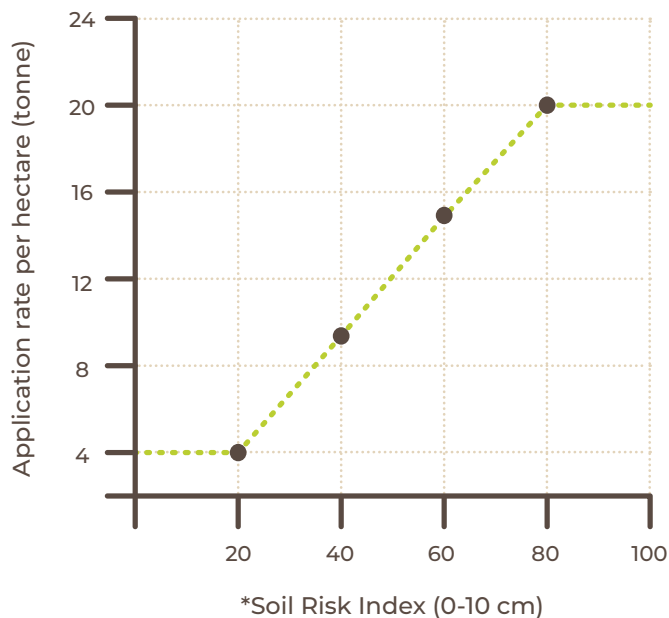


EnviroSoil® has been manufactured with safety in mind. As a solution that promotes safe and effective application, EnviroSoil® can be used on challenging sites with difficult access and on steep slopes where topsoil placement is impractical.

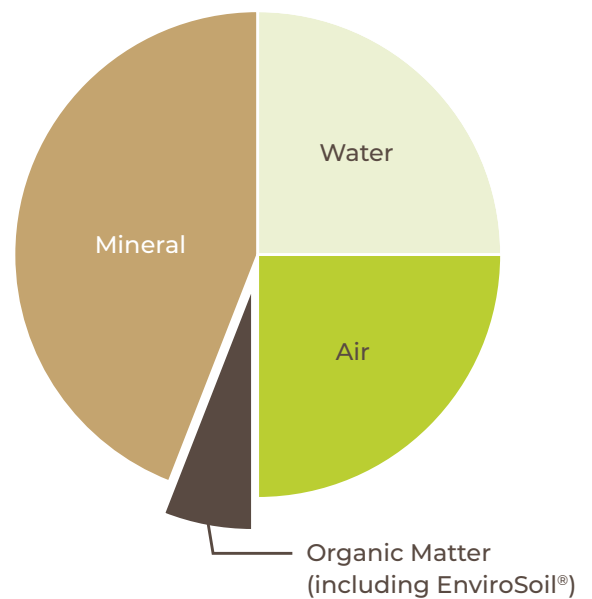
Revegetation Process

EnviroSoil® has been designed to be applied hydraulically over traditional methods. Utilising HydroRig equipment, EnviroSoil® is applied using water as a carrier onto substrates with little or no organic matter. Allowing for hydraulic application means that we can access hard to reach and inaccessible areas, uneven terrain, and steep slopes where a conventional application is not achievable.

We understand that each project is different, with their own unique goals and challenges. That's why we have created EnviroSoil® to be a tailored solution, allowing for the addition of soil amendments to the mixture at the time of spraying to further ensure the success of your revegetation and rehabilitation projects.



Optimum soil profile



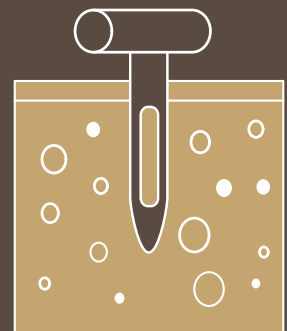
*Index rating details can be viewed at www.erizon.com.au/product/envirosoil/

Free soil test

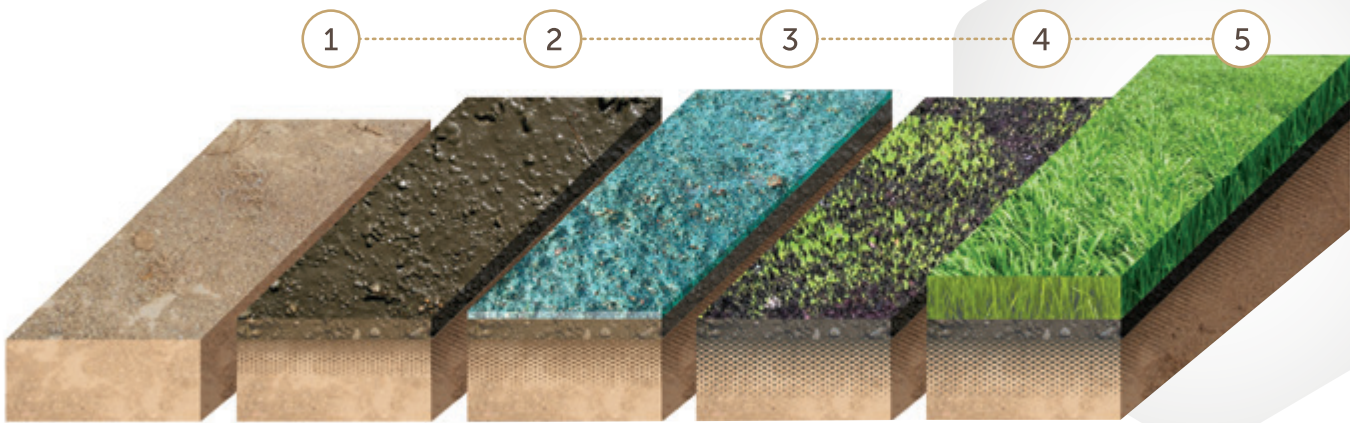
Optimal soil conditions are essential for any successful revegetation project. Our solutions always start by gaining a thorough understanding of the physical, chemical and biological characteristics of the soil found on the project site.

We take multiple soil samples from key areas, which are sent to the lab for an extensive analysis. The results provide us with essential information to determine any adjustments that are required to ensure a favourable growing environment.

With access to over 100 various ameliorants, we can improve the properties of the soil's physical and microbiological condition with ease. Talk to our specialist team about how a soil test can benefit your project.



The EnviroSoil® Process

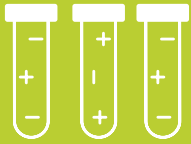


Depleted soil Soils associated with disturbed lands are characteristically lacking much needed organic matter, nutrients and biological activity.	EnviroSoil application Once applied, EnviroSoil® acts as a topsoil alternative providing a blend of key soil building components to create an optimum growth environment.	Hydromulch application A slurry of water, seed, fertiliser, engineered plant fibres and binder are applied onto the surface, providing a temporary layer of erosion control and water retention until vegetation establishes.	Germination at 3 weeks The combination of EnviroSoil®'s soil building components and Hydromulching's interlocking matrix work to create an environment for fast germination.	Growth at 6 weeks The properties of EnviroSoil® work to amend the soil beneath, with organic matter and nutrients penetrating through to create a favourable growing environment.
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Onsite With EnviroSoil®



Key Reasons Why You Should Use EnviroSoil®



Backed by Science

EnviroSoil® has been thoroughly tried, tested and proven to be effective in harsh Australian conditions.



Safe & Easy Application

Made with ease of application in mind, EnviroSoil® can be hydraulically applied, reducing application time by almost half.



Erosion Control

When utilised in combination with a hydromulching solution, EnviroSoil® complements the performance of growth mediums in providing near-perfect erosion control on all types of substrates.



Cost-effective

Not only will hydraulically applying EnviroSoil® reduce overall projects costs, but it will also provide the same amount of soil building and organic components as traditional solutions.



Weed Seed Free

Utilising the highest-grade organic fibre mulch, soil conditioners and mineral blends ensures that EnviroSoil® remains weed-seed free, eliminating site contamination.



Australian Owned & Manufactured

We understand Australia's diverse environment. EnviroSoil® is Australian-owned and manufactured, optimised for the country's unique conditions.

EnviroSoil® 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. EnviroSoil® 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 specialised 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
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