



Eco Armour

Erosion Control Blanket

Sprayable erosion control
solution engineered for
extreme conditions



A product by



Australian Environmental Solutions

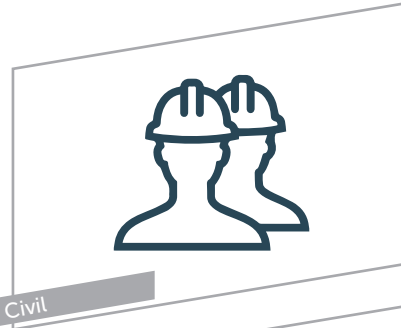
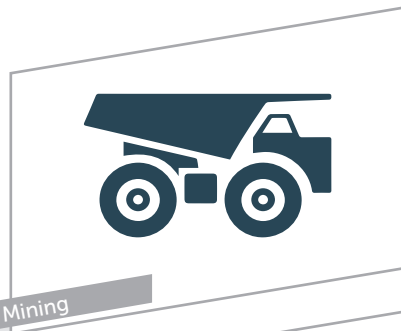
A better alternative

EcoArmour is a hydraulically applied synthetic erosion control blanket. Once applied, the solution binds to the substrate in a matter of hours. Providing a high performing erosion control solution, capable of stabilizing almost any surface.

EcoArmour's environmentally friendly formulation has proven to withstand some of Australia's harshest climates protecting the underlying substrates from dry, arid conditions to torrential wind and rain events. When compared to conventional erosion control blankets such as geo-fabric, EcoArmour is more effective, safer to apply, cost-effective, and boasts an impressive 20 year+ functional lifetime.



Industries



Benefits of Using EcoArmour



Straight forward application
Through specialized HydroTruck equipment



Immediate Erosion Control
Dries within 3-5 hours subject to ambient temperature



Weather Proof
EcoArmour's non-flammable crust holds the substrate in place, eliminating erosion caused by rain and wind



Tintable
Colouring agents can be specified to complement the surrounding environment



Stability
The proprietary blend of minerals, interlocking fibres and binders make EcoArmour ideal for the steepest of slopes



Durability
With twice the abrasion resistance of other erosion control blankets, EcoArmour is UV and chemical resistant providing 20+ years functional longevity



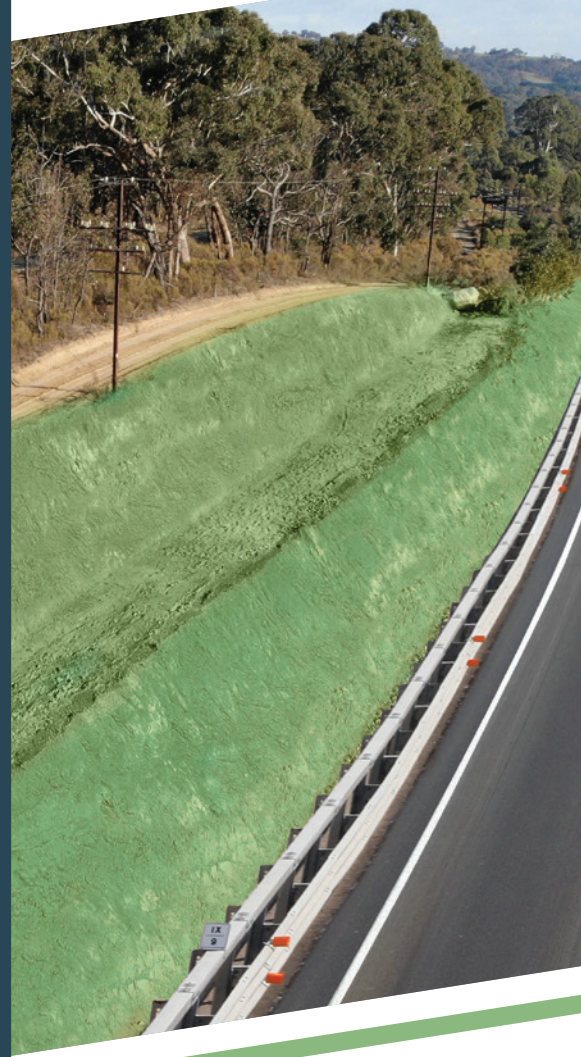
Flexibility
EcoArmour's flexible membrane contours to the treated substrate, binding, and moving with it without cracking or chipping



Rapid Installation
Up to 10 times quicker to install than traditional erosion control blankets requiring fewer personnel to apply, in turn, reducing costs



Australia Designed
All components of EcoArmour are proudly designed and manufactured right here in Australia



Compliance

EcoArmour meets or exceeds all relevant transport and main roads specifications, including:

MRSW52*

Erosion and sediment control

20601P*

Geobinders; referring to non-toxic materials and substances sprayed onto soils to prevent erosion.

20605P*

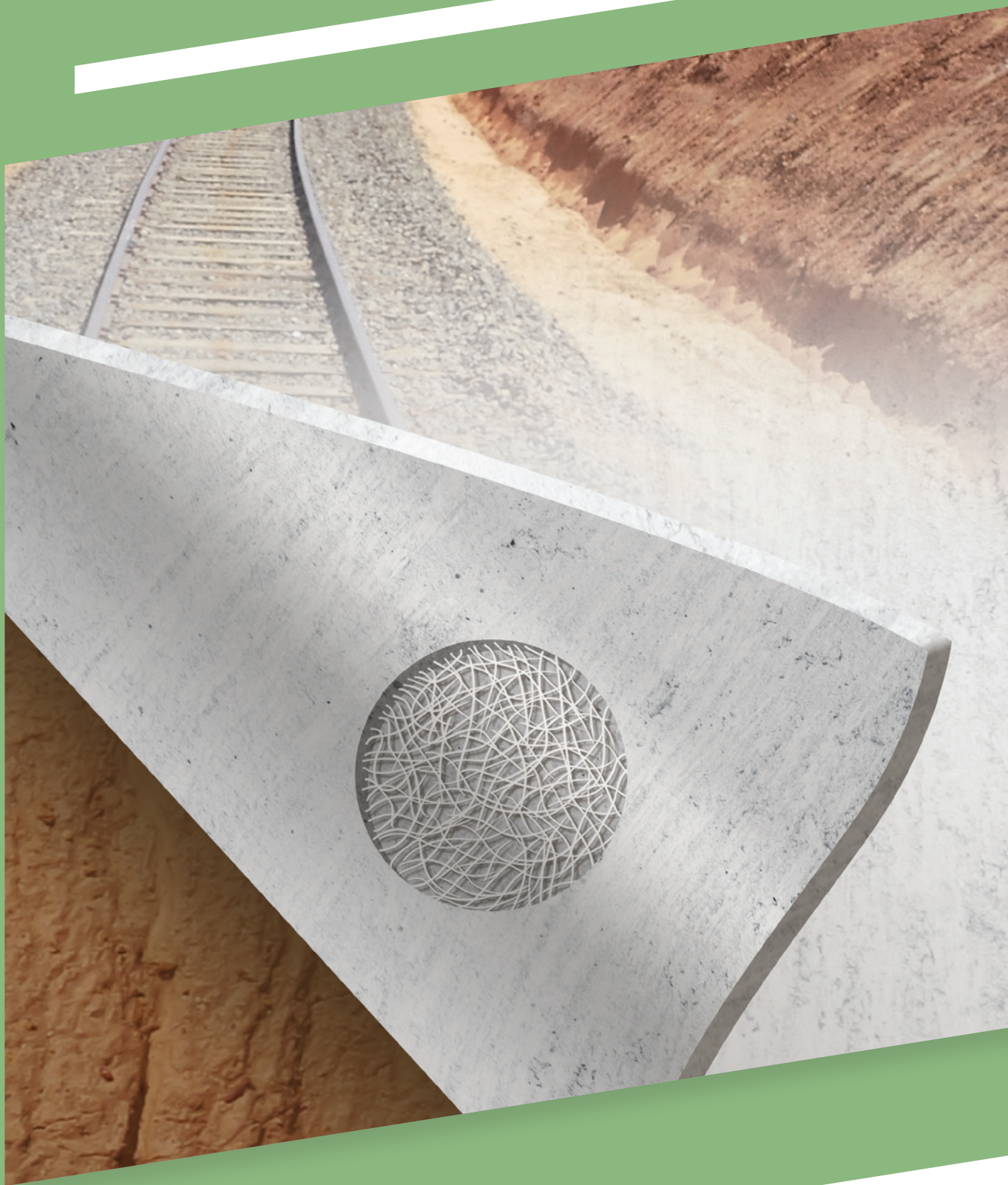
Erosion control blanket; referring to products put in place to reduce the impact of raindrop and low-velocity flow.

*Source - Department of transport and main roads

Before...



...After





How does it work?

The unique blend of minerals, binding agents, and interlocking fibres create a robust yet flexible material that conforms to the surface below, locking in place with incredible resilience. The treated substrate is protected from wind, rain and surface waterflow caused erosion.

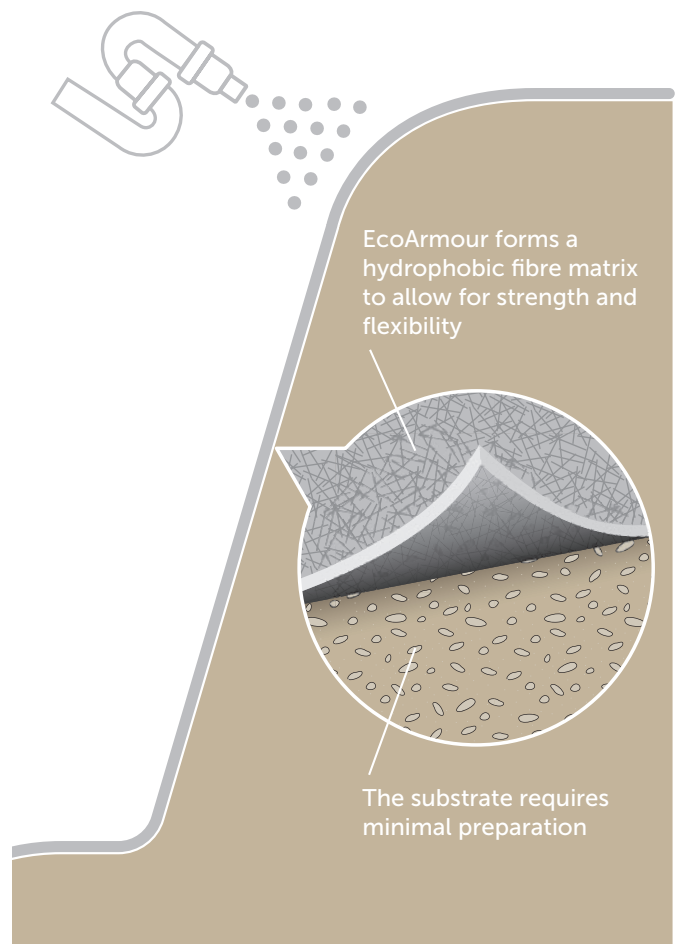
Application

Application technique plays an essential role in the overall quality and durability of the solution, which is why Erizon uses the latest HydroTruck equipment operated by experienced personnel. The Eco Armour solution is mixed with water in agitated tanks to ensure uniform consistency and sprayed evenly from a roof-mounted cannon or extended hose for hard to reach areas.

After application, Eco Armour cures to resist moderate rainfall after only 3 hours, is flame and shrink resistant with high compressive and flexural strengths.

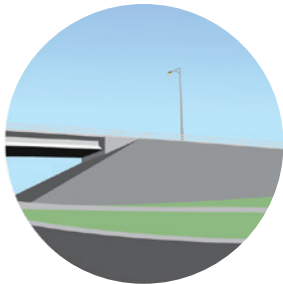
Colour tintable

Eco Armour is a tintable solution that can be specified to blend with the surrounding environment from light greys to browns, reds or green resulting in an aesthetically pleasing final product.



Typical Installations

EcoArmour features excellent adhesion properties to various substrates, including soil, clay, rock, shale, weathered concrete, sand and sandy loam. The solution is easy to apply to areas that are usually difficult to manage and access.



Slopes & Batters

EcoArmour is most commonly used for slope protection and slope stabilisation projects due to its superior erosion control qualities.



Swales & Drains

Acting as an effective weed suppressant, EcoArmour reduces costs in maintenance, prevents leakage and is an effective fire retardant.



Levee Stabilisation

With greater installation efficiency, EcoArmour provides a cost-effective solution with high performance and a decreased risk profile.



Bund & Culvert Linings

EcoArmour's durability and binding characteristics make repairing damaged culverts and containment bunds simple with long lasting protection.



Formulated to meet the highest standards of environmental efficiency



SUPPLY

Our products and services are supported by the expertise and consultation of our specialist team of agronomists, horticulturalists and soil scientists. EcoArmour 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.

