



# Eco Armour<sup>®</sup>

Erosion Control Blanket

Hydraulically applied  
erosion control blanket  
for extreme conditions



A product by



Australian Environmental Solutions



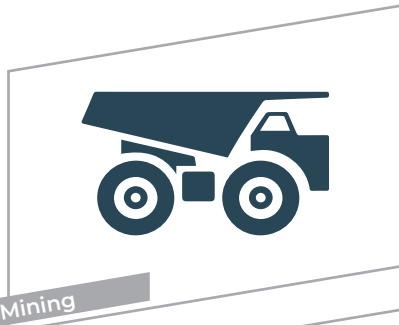
# A better alternative

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 stabilising 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 is capable of up to 20+ years of functional longevity.



## Industries



Mining



Civil



Rail



Defense



Agriculture



Public Works



Utilities

# Benefits of Using Eco Armour®



**Simple and Safe application**  
Through specialised HydroRig equipment



**Immediate erosion control**  
Dries within 3-5 hours (subject to ambient temperature)



**Weatherproof**  
Eco Armour®'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 Eco Armour® ideal for the steepest of slopes



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



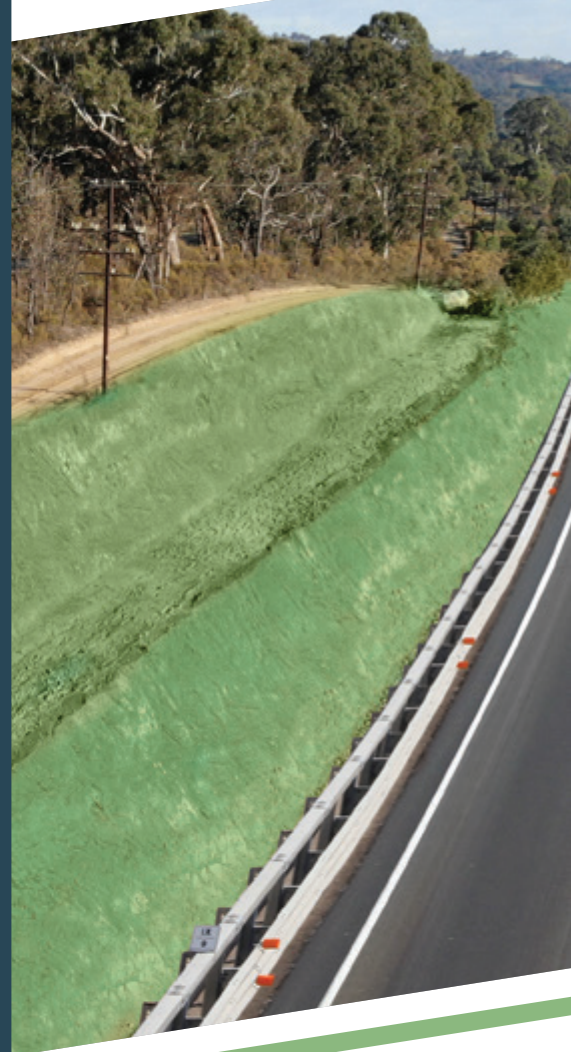
**Flexibility**  
Eco Armour®'s flexible membrane contours to the treated substrate, binding and moving with it without cracking or chipping



**Rapid installation**  
Up to 10 times quicker to install than traditional erosion control blankets with fewer personnel necessary to apply, therefore reducing costs



**Australian designed**  
All components of Eco Armour® are proudly designed and manufactured right here in Australia



## Compliance

Eco Armour® 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.

\*The State of Queensland (Department of Transport and Main Roads) 2021.



## 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 erosion caused by surface water flow.

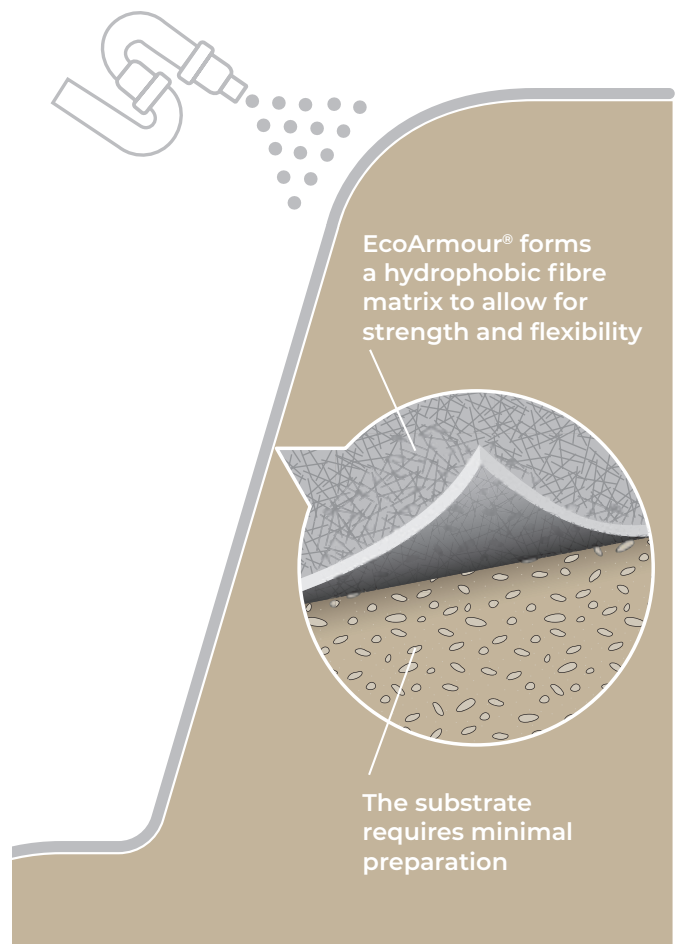
## Application

Application technique plays an essential role in the overall quality and durability of the solution, which is why Erizon® uses the latest HydroRig equipment operated by experienced personnel. The EcoArmour® 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, EcoArmour® cures to resist moderate rainfall after approximately 3 hours. It is flame and shrink resistant with high compressive and flexural strengths.

## Colour tintable

EcoArmour® is a tintable solution that can be adjusted to blend with the surrounding environment to produce an aesthetically pleasing final product. Tints can range from light greys, browns, reds or greens.



# 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 and batters

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



## Swales and 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 and culverts

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



Before...



...After



EcoArmour® 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. 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 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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