



Vegetated Environmental Solutions



WHAT IS ENVIROLOK?

Stabilizing slopes and water channels can be challenging and costly. Finding a permanent solution is nearly impossible without the help of Envirolok.

Envirolok's patented tan bag technology provides a permanent vegetated solution by combining the engineered strength of soil with the principles of plant ecology.

Our non-woven geotextile bags permanently encapsulate the soil for maximized stability. Further reinforcement is achieved by using the patented spikes. For more complex projects, the Envirolok system is compatible with advanced reinforcement techniques, such as geogrid and anchoring systems.

The system is a simple. No extensive footings or engineered backfill. Minimal excavation allows easy construction in remote areas and with minimal impact to the land. Fill the bags, lay them in an overlapping pattern, compact and place the spikes. Add vegetation and you have a permanent solution.



Bags

Our tan bags were developed to a superior specification, ensuring permanent, maintenance free applications. The non-woven material can support thousands of pounds of pressure and still allow plant roots to grow through it.



Spikes

High impact polystyrene spikes are designed to add shear strength by connecting units together. The open designed washer system ensures a strong and simple connection that does not impede root growth like traditional connection plate systems.



Bag-Fill

We use a simple mix of 80% sand & 20% topsoil. No compost means no slumping and no chance of failure. Each bag is filled with 1.25 cubic feet of fill, giving the bag an overall size of approximately 1 square foot when used in a slope application.



Vegetation

Plant roots create a binding matrix through the bags and into the parent soil, locking the soil in place and providing permanent stabilization. The result is a lush green slope that will stand the test of time.



Expertise

Collaboration is the key to success and our team is here to support project teams and property owners. From project studies, to design, engineering and product estimates, we collaborate every step of the way.

WHY ENVIROLOK?

The Envirolok system is designed to provide permanent vegetative solutions in a variety of applications. Installation is simple and the design eliminates the need for expensive and time-consuming footings and extraneous amounts of excavation for backfill. This allows installation with minimal impact to the site and the environment.



Here's why Envirolok is the most preferred vegetative solution!



Flexibility

In addition to providing an alternative for traditional walls, Envirolok can accommodate a variety of slope conditions, making the ideal solution for shoreline restoration, streambank protection, slope stabilization, erosion control, stormwater channels and more.

Ease

Envirolok is designed for simplicity in installation and maximizes compatibility with proven reinforcing techniques (such as geogrid, earth anchors, rock anchors), providing added strength for larger and more complex installations.

Tan Bag Technology

Our tan bags are one of a kind. No other system comes close to Envirolok's longevity and performance. Not only do these bags blend into the landscape better, they are stronger and are more uv-resistant than the old school black bag technology on the market. Our exclusive tan bag technology is proven to reduce heat on the bag surface as well as inside. This promotes better germination/plant growth and reduces the need for excessive watering.

Sustainability

In addition to having a lower carbon footprint than most concrete technologies, Envirolok's vegetative solution can provide natural habitat, promote pollinators and continually sequesters carbon. Our LEED accredited staff is here to assist with documentation and qualifications for LEED programs and help with cost-benefit analysis.

Vegetation Options

The Envirolok system allows variety of vegetation application methods to fit any budget, site condition and aesthetic. Hydroseed, plant plugs and live stakes are just a few of our most popular options. While natives are always promoted for healthy ecosystems, the system is compatible with a variety of ornamental landscape plants. Work with our plant experts on staff to select the option that work best for you.

ENVIROLOK APPLICATIONS



Shoreline Protection



Erosion Control



Stream/River Restoration



Stormwater Management



Slope Stabilization



Retaining Walls



Stream Channel

Technical Support

Partner with the world's most sought-after erosion control solution. In addition to in-house design, engineering and installation support, Envirolok has a global network of distributors, designers, bag-fillers and experienced installers. From site evaluation to design and installation, we work together to create a lasting solution. Connect with our team today at Envirolok.com.



Envirolok Product Warranty

Envirolok LLC guarantees all materials and workmanship of the individual components to be free of manufacturer defects. The guarantee excludes vandalism, improper use, corrosion caused by chemicals and acts of God. Any claim under this warranty must be filed within the timeframe of original invoice date and must be accompanied by the original invoice or invoice number. Envirolok does not imply or express any other warranties associated with its products.



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