A FULL LINE OF EROSION CONTROL SOLUTIONS

Backed by a legacy of innovation, our erosion control products improve upon conventional methods by offering more innovative products, lower costs, and engineered performance. Our family of solutions includes erosion control blankets, turf reinforcement mats, high performance turf reinforcement mats, and anchor reinforced vegetation systems that all come with the signature Propex® quality and value-added technical and customer support. From the simple and short-term, to the toughest erosion control and slope stability challenges, Propex® GeoSolutions will help you find the best solutions for your project.

**LANDLOK®**
- **Degradable**
  - LANDLOK® Erosion Control Blankets (ECBs) provide short-term, degradable protection with consistent quality at a competitive price.

**LANDLOK®**
- **Stitch-Bonded**
  - LANDLOK® Turf Reinforcement Mats (TRMs) are synthetic solutions designed for superior performance and longer design life.

**PYRAMAT®**
- **Woven Technology**
  - PYRAMAT® High Performance Turf Reinforcement Mats (HPTRM) and Turf Reinforcement Mats (TRMs) are equipped to handle the most demanding erosion control applications.

**ARMORMAX®**
- **Erosion Control**
  - ARMORMAX® Engineered Earth Armoring Solution for erosion control is the most advanced flexible armoring technology available for severe erosion challenges.

**ARMORMAX®**
- **Slope Stability**
  - ARMORMAX® Engineered Earth Armoring Solution for slope stability is an engineered solution for reinforcement against shallow plane slope failure.
LANDLOK® Erosion Control Blankets (ECBs) are dimensionally stable reinforced rolled products made from a variety of organic and synthetic materials. All of our ECBs are designed to hold seed and soil in place, protecting emerging seedlings and accelerating vegetation growth until it becomes robust enough to maintain long-term erosion protection.

Applications
- Short-term challenges of establishing vegetation in low to moderate erosion applications
- Moderate slopes
- Swales, low-flow channels

Features & Benefits

**Biodegradable Net ECBs**
- Biodegradable jute netting, straw matrix
- Superior erosion protection for the most environmentally sensitive projects
- Functional longevity of up to 36 months

**Photodegradable Net ECBs**
- Photodegradable polypropylene netting, straw and/or coconut matrix
- Functional longevity of up to 36 months
- Can be used on a variety of slopes form nearly flat to moderately steep slopes

**Wood Excelsior ECBs**
- Consists of a temporary erosion control blanket composed of a matrix of 100% Great Lakes Aspen
- Matrix is mechanically bonded onto two layers of photodegradable polypropylene thread
- Available in natural or green

**Wattles**
- 100% wheat straw matrix using heavy duty polypropylene grid casing
- Filters sediment out of water before entering storm drain inlets
- Highly effective at slowing velocity of water runoff in channels/slopes
LANDLOK® Turf Reinforcement Mats (TRMs) with X³® Fiber Technology are a three-dimensional, woven and/or stitch-bonded polypropylene geotextiles that delivers long-term, value-added erosion protection. Vegetation is the most effective form of erosion control, and LANDLOK® rolled erosion control solutions reinforce roots and stems to capture more sediment than conventional hard armored solutions.

**Applications**
- Channels and slopes
- Vegetated waterways
- Detention ponds
- Roadside erosion control

**Features & Benefits**
- Offers superior long-term, environmentally-friendly performance compared to rock riprap and concrete paving
- Woven construction is stronger and more durable than first generation TRMs that are netted, fused, or laminated
- Patented X³® Fiber Technology offers a unique trilobal cross-section that captures and traps water, soil and seed better than conventional fibers
- Enhances seedling emergence
- Engineered percent open area to provide both short-term and long-term protection
- Demonstrates superior UV resistance
- Easy to install and cost-effective over conventional erosion control methods

**Savings & Advantages**
Designed for superior performance and longer design life as well as reduced installation and life-cycle costs. The LANDLOK® family of TRMs offers up to 10 years of design life, as well as soil protection and environmental improvement to meet regulatory requirements. You can expect substantial cost savings over traditional hard armored solutions.

X³® Fiber Technology uses a clover-shape pattern that creates a thick matrix of voids for trapping and housing more sediment, soil and water required for rapid vegetation growth. X³® is added to our TRMs to provide additional strength and double vegetation’s natural erosion protection abilities long-term.
PYRAMAT® High Performance Turf Reinforcement Mats (HPTRMs) and Turf Reinforcement Mats (TRMs) are three-dimensional, lofty, woven polypropylene geotextile. The innovative material is specially engineered for superior erosion control on steep slopes and vegetated waterways. PYRAMAT® delivers the highest specification requirements for erosion protection of slopes, banks, and channels.

Applications
- Steepened Slopes
- Stormwater channels
- Vegetated waterways
- Detention ponds
- Landfill erosion control
- Arid & semi-arid environment soil protection

Features & Benefits
- Woven construction is stronger and more durable than traditional TRMs
- 3D matrix composed of polypropylene mono-filament yarns featuring X3® Fiber Technology for faster root mass development
- Superior UV resistance for up to 25, 50 and 75 year design life
- Promotes infiltration of surface water
- Resists non-hydraulic stresses
- Engineered percent open area to provide both short-term and long-term protection
- Environmentally-friendly solution for improving groundwater quality and protecting wildlife
- Available in green or tan

Savings & Advantages
You can expect this highly engineered performance product to provide substantial cost savings over traditional hard armored solutions. Easy installation and fewer worries about call backs to repair or update the work make PYRAMAT® a favorite in the industry.

HPTREMs are recognized by the Environmental Protection Agency (EPA) as well as the Federal Highway Administration (FHWA) as a Best Management Practice (BMP) to improve water quality. PYRAMAT® is the original HPTRM recognized by the EPA as having the required tensile strength of 3,000 lbs/ft. PYRAMAT® is the first HPTRM to combine strength, endurance, and vegetation potential into one product.
The ARMORMAX® Engineered Armoring Solution for erosion control consists of a High Performance Turf Reinforcement Mat (HPTRM) and Engineered Earth Anchors that work together to lock soil in place and protect against hydraulic stresses. This permanent erosion protection solution can be used in vegetated or partially / unvegetated applications, and provides the most advanced soft armoring system available in the industry.

Applications
- Overtopping protection of earthen levees
- Canal, stream, and river bank protection from erosion and scour
- Arid and/or semi-arid storm water channels & slopes
- Earthen dam slopes and spillways
- High flow stormwater channels in residential and commercial applications
- Lake bank restoration for golf course and other property enhancement projects

Features & Benefits
- Reduces erosion, reinforces vegetation
- Promotes sustainable aquatic habitats with aesthetic enhancement
- Withstands hydraulic stresses including high water flows and wave impact
- Allows for controlled overtopping for levee resiliency
- Withstands non-hydraulic stresses from debris flow, loading of tractors, etc.
- Promotes infiltration of surface water
- UV stabilized with up to 75 year design life
- Cost-effective and easy-to-install compared to conventional armoring methods
The ARMORMAX® Engineered Earth Armoring Solution for slope stability consists of a High Performance Turf Reinforcement Mat (HPTRM) and Engineered Earth Anchors that provide resistance to shallow plane slope instability with the benefit of a surficial erosion controlling surface treatment. This is an engineered solution for cost-effective, easy-to-install, and aesthetic stabilization of steep slopes, sloughed banks, and other geotechnical applications.

**Applications**
- Roadway embankment sloughing
- Airport land side and air side slope stabilization
- Steepened embankments along creeks and streams
- Canal bank stabilization
- Commercial and residential slope failures
- Coal ash impoundment stability
- Levees and flood control structures

**Features & Benefits**
- Provides engineered geotechnical stability against shallow plane slope failure
- Easy to install HPTRM and Engineered Earth Anchors
- Provides significant cost savings over conventional slope reinforcement methods
- Can provide temporary shoring and stabilization for constructed slopes
- Reinforces vegetation for aesthetic surficial erosion control
- Highly UV stabilized for applications with little or no vegetation
- Lightweight and easy to transport into areas with access challenges
WORLD CLASS ENGINEERED EARTH SOLUTIONS & SERVICES

Propex® GeoSolutions is one of the largest geosynthetic and erosion control manufacturers in the world, offering full service engineering support for multiple applications, all while creating an Engineered Earth Solution. Our solutions are guaranteed to outperform conventional methods, capitalizing in various markets such as Transportation, Slope Stabilization, Shoreline Restoration, and Flood Control.

Applications include:

- Roadway Stabilization
- Pavement Rehabilitation
- Canal, Stream, and Channel Protection
- Slope Protection and Stabilization
- Drainage and Filtration
- Earthen Levee Protection

We provide industry leadership, setting standards for quality innovation, and pride ourselves in offering the most comprehensive and advanced technical services and support in the market. Our number one goal is to provide 100 percent customer support.

The many features and benefits of our Engineering Services Team includes:

- Product Selection
- Design Support
- Surficial Slope Stability Analysis
- Erosion Control Analysis
- Paved and Unpaved Roadway Design
- Installation Support
- Construction Details
- Inspection and Validation Testing
- Market Advancement
- Industry Organization Participation
- Product and Application Research

Contact our Engineering Services Team Hotline at 423.553.2465 or email GeoEngineering@propexglobal.com to let us help with your next project.

ENGINEERED EARTH SOLUTIONS

CONTACT THE PROPEX TEAM TODAY: 1.800.621.1273 PROPEXGLOBAL.COM