

PROPEX Scourlok

Engineered bank stabilization system





PROPEX[®] Scourlok[®] cells can easily be connected and contoured to accommodate projects of any size.

PROPEX Scourlok is a robust engineered bank stabilization system designed to resist extreme hydraulic stresses and protect shorelines while promoting vegetation.

This diverse solution was developed for erosion control applications that need scour protection but can also be utilized as a vegetated gravity wall system to resist sliding and overturning.

Innovative scour protection

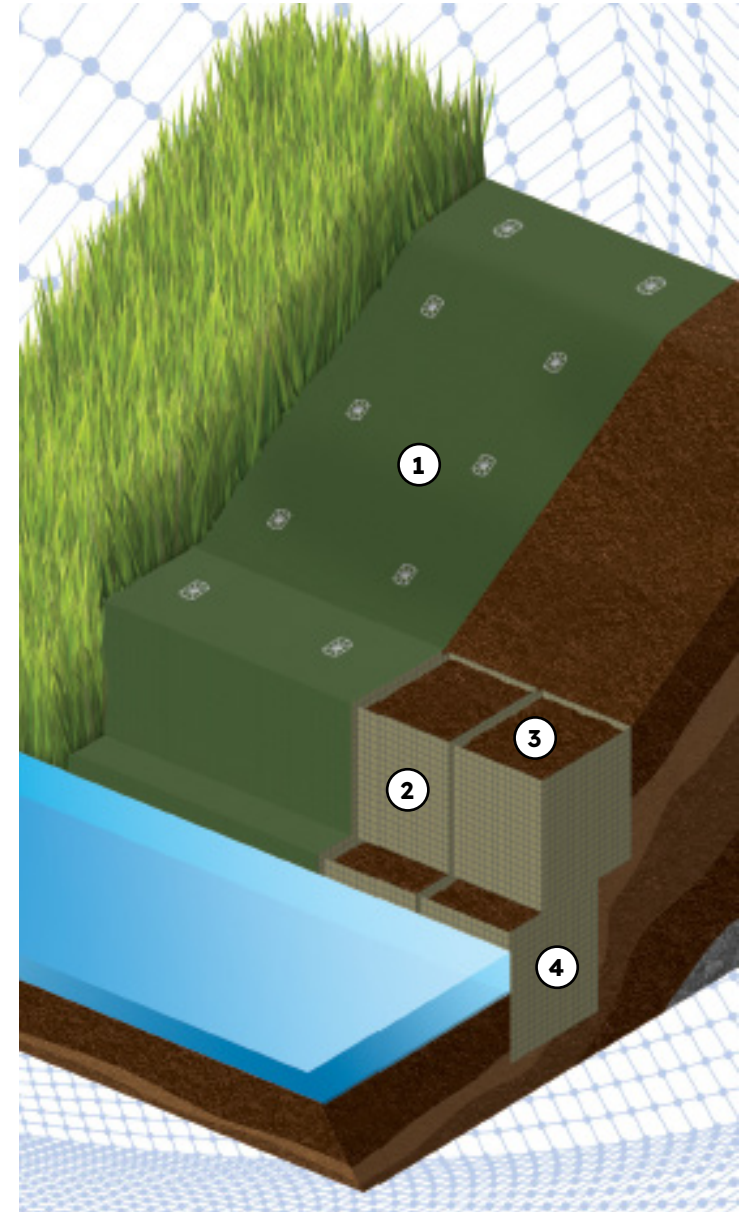
PROPEX Scourlok's patented design features rigid and interlocking cells armored with erosion protection from **PROPEX** Pyramat® High Performance Turf Reinforcement Mat (HPTRM) and separation capabilities from **MIRAFI**® nonwoven geotextiles. Each cell assembly can be articulated to accommodate a variety of landscapes.

PROPEX Scourlok components

- ① **PROPEX** Pyramat 75 HPTRM:
Highly UV stabilized
- ② Vegetation pocket:
Fill with mulch or other growth media for vegetation
- ③ **MIRAFI** nonwoven geotextile:
Exceptional hydraulic and soil retention properties
- ④ Galvanized metal cell units can be connected and contoured

Unit specifications

- Dimensions: 4' H x 3' W x 15' L
- Delivered on pallets
- Pre-assembled



FEATURES AND BENEFITS

Design and performance

- Resists extreme hydraulic stresses, protecting vegetated and unvegetated shoreline applications
- Can be installed below or above grade to fully armor the entire stream bank
- Units can easily be connected and contoured to accommodate projects of any size
- Combines the superior erosion control protection of **PROPEX** Pyramat 75 with the exceptional hydraulic and soil retention properties of **MIRAFI** nonwoven geotextiles
- Can be combined with other **PROPEX** engineered earth solutions to optimize design

Environmental

- Enhances water quality by increasing pollutant and nutrient removal
- Yields a vegetated solution that is more aesthetical pleasing than traditional hard armoring solutions
- Vegetating pockets can be filled with a mulch/soil mixture or other organic media to sustain plant growth
- Reduces thermal pollution by utilizing a vegetated solution to protect aquatic life

Cost savings

- Units can be filled with in-situ soils, eliminating the cost of importing fill material to a jobsite*
- Compact design makes shipping costs more effective than traditional hard armoring solutions
- Units ship pre-assembled for fast and easy installation, reducing overall installation costs
- Units are deployed faster than conventional methods and can be filled using machinery

*If project design allows





APPLICATIONS

- Stream banks
- Canals
- Lake/pond banks

About us

Solmax is a world leader in sustainable construction solutions, for civil and environmental infrastructure. Its pioneering products separate, contain, filter, drain and reinforce essential applications in a more sustainable way – making the world a better place. The company was founded in 1981, and has grown through the acquisition of GSE, TenCate and Propex. It is now the largest geosynthetics company in the world, empowered by more than 2,000 talented people. Solmax is headquartered in the province of Quebec, Canada, with subsidiaries and operations across the globe.

Uncompromised quality

Our products are manufactured to strict international quality standards. All our products are tested and verified at our dedicated and comprehensive laboratories which maintain numerous accreditations. We offer our partners a wide scope of testing according to published standards to ensure products delivered to sites meet specified quality requirements.

Let's build infrastructure better

Solmax is not a design or engineering professional and has not performed any such design services to determine if Solmax's goods comply with any project plans or specifications, or with the application or use of Solmax's goods to any particular system, project, purpose, installation, or specification.

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SOLUTIONS WE SUPPLY

GEOSYNTHETICS

Filter Fabrics

Stabilization Fabrics

Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT
SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS