



SCOURLOK™
Engineered Bank Stabilization

Earth Stabilization is Serious Business

Propex is dedicated to innovating and creating the best solutions for extreme erosive conditions. SCOURLOK is a robust Engineered Bank Stabilization system designed to resist extreme hydraulic stresses and protect shorelines while promoting vegetation.

SCOURLOK was developed for applications that need below water scour protection in addition to slope stabilization and erosion control provided by ARMORMAX® and PYRAMAT® Engineered Earth Armoring Solutions.



Our Latest Innovation in Bank Stabilizaion

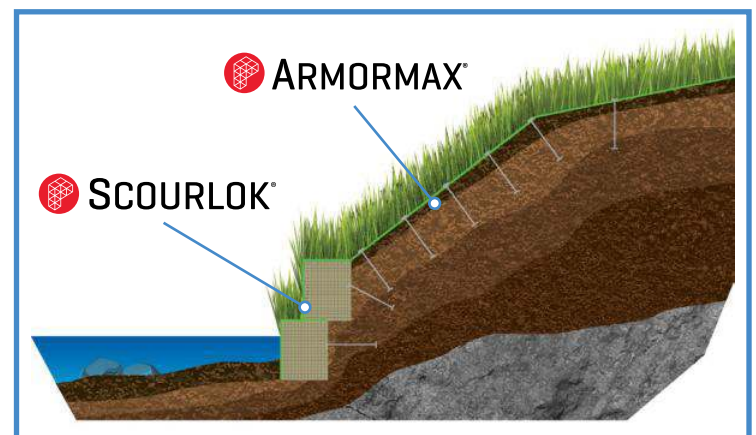
SCOURLOK's unique and patented design features rigid and interlocking cells armored with superior erosion control protection from PYRAMAT High Performance Turf Reinforcement Mat [HPTRM] and the separation capabilities of GEOTEX® nonwoven geotextile. Each cell assembly can be articulated to accommodate a variety of landscapes. This system resists extreme hydraulic and non-hydraulic stresses to help restore and protect shorelines like stream banks from erosion while promoting vegetation to improve water quality.

SCOURLOK improves the function of traditional hard armoring solutions by incorporating the organic media benefits of an Engineered Earth Armoring Solution.

The unique design of the PYRAMAT HPTRM helps lock seeds in place to promote rapid root mass development while GEOTEX provides unparalleled hydraulic flow and soil retention to support sediment control. Additionally, PYRAMAT is fastened to the rigid cells to form vegetating pockets that can be filled with vegetative-media to further promote and sustain plant growth.

SCOURLOK Details

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



SCOURLOK resists extreme hydraulic and non-hydraulic stresses generated from:

- Hydraulic shear stress and velocity
- Storm overtopping
- Scour
- Debris loading
- Animal loading
- Maintenance loading

SCOURLOK's Features and Benefits

Environmental

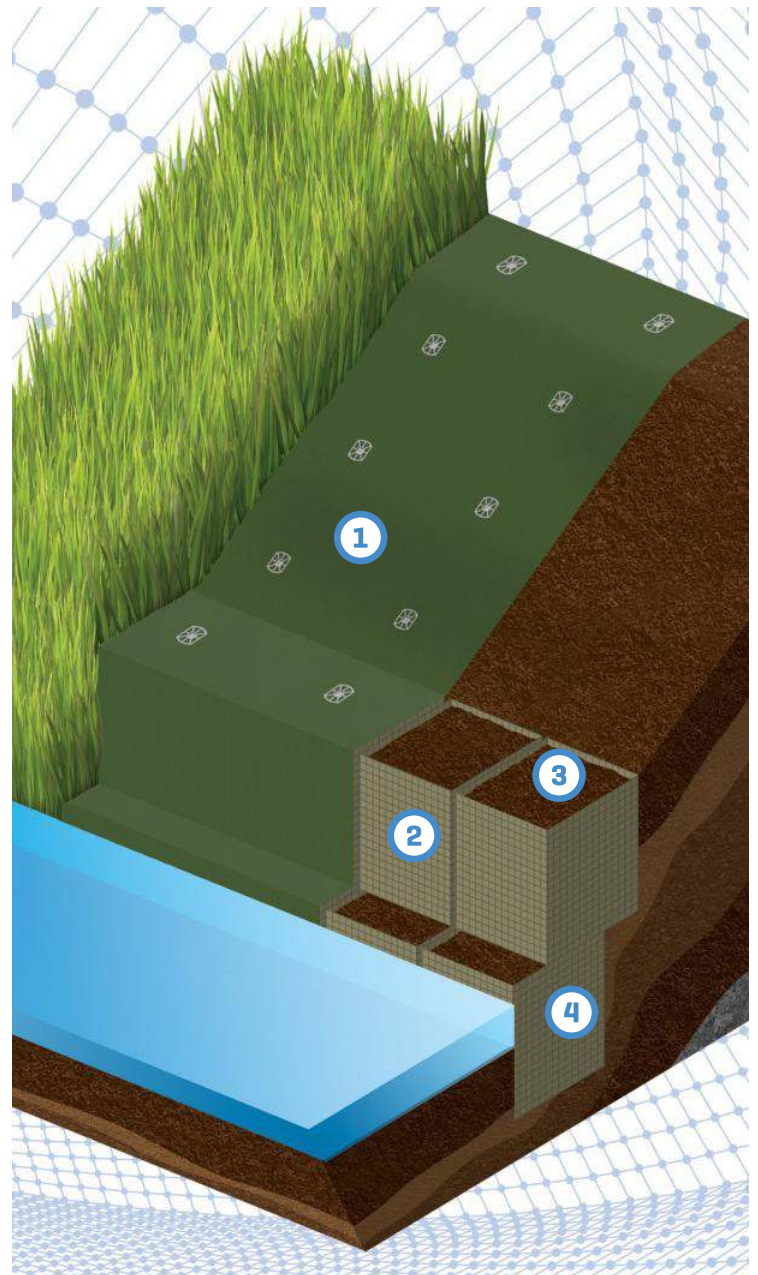
- Enhances water quality by increasing pollutant and nutrient removal
- Yields a vegetated solution that is more aesthetical pleasing than traditional hard armoring solutions
- Vegetating pockets can be filled with a mulch/soil mixture or other organic media to sustain plant growth
- Reduces thermal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

Design and Performance

- Resists extreme hydraulic stresses, protecting vegetated and un-vegetated shoreline applications
- Can be installed below or above water to fully armor the entire shoreline
- SCOURLOK features HESCO® units as used to protect military and civilian personnel in dangerous environments
- Units can easily be connected and contoured to accommodate projects of any size
- Combines the superior erosion control protection of PYRAMAT with the exceptional hydraulic and soil retention properties of GEOTEX
- Can be combined with other Propex Engineered Earth Solutions such as AMORMAX to optimize design

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



1. ARMORMAX

Erosion Control and Slope Stabilization

2. GEOTEX

Exceptional hydraulic and soil retention properties

3. SCOURLOK CELL

Filled with in-situ soils, eliminating need to import fill

4. SCOURLOK

Can be installed above or below the waterline

STREAM BANKS · CANALS · LAKE/POND BANKS



SCOURLOK™
Engineered Bank Stabilization

Visit PropexGlobal.com/Scourlok for more information.
Contact our Engineering Services Team Hotline at
423.553.2465 or email GeoEngineering@propexglobal.com
to let us help with your next project.

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