



Protect Your Landscapes with East Coast Erosion Control

Soil erosion can be a serious problem, resulting in catastrophic damage to water sources, landscaping, and wildlife. Repairing damage caused by soil erosion can be difficult, time consuming, and expensive. Fortunately, most of the problems associated with soil erosion can be controlled or prevented with products available from East Coast Erosion Control. East Coast products are of the highest quality, and designed to solve all types of erosion problems.

With multiple manufacturing facilities, we offer products that provide short-term, extended-term, and permanent soil protection. East Coast Erosion blankets offer a variety of benefits, including the prevention of soil loss due to water or wind, and elimination of sediment run-off in ponds and drainage channels or onto dry areas. The blankets are ideal for protecting seed, and provide optimum conditions for establishing plant growth.

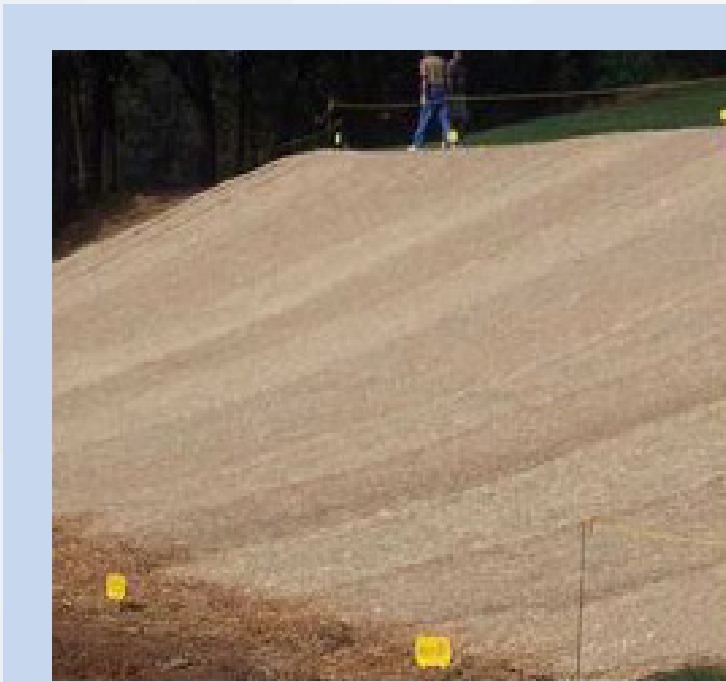
Advantages of Using East Coast Erosion Control:

- Complete, wide variety of erosion control matrixes to meet all job site requirements
- Multiple manufacturing facilities to expedite and minimize freight costs
- Dedicated, knowledgeable Customer Care Department
- On-Staff Technical Services to offer assistance with design, installation, and product selection
- High quality raw materials combined with outstanding QC/QA equals an excellent product every time
- Various widths and custom lengths available to meet your job specifications
- Products supported with large scale testing in compliance with current ASTM standards



Easy Site-Specific Product Selection Guide

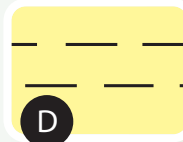
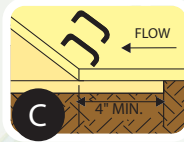
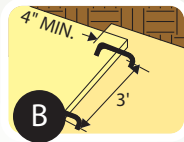
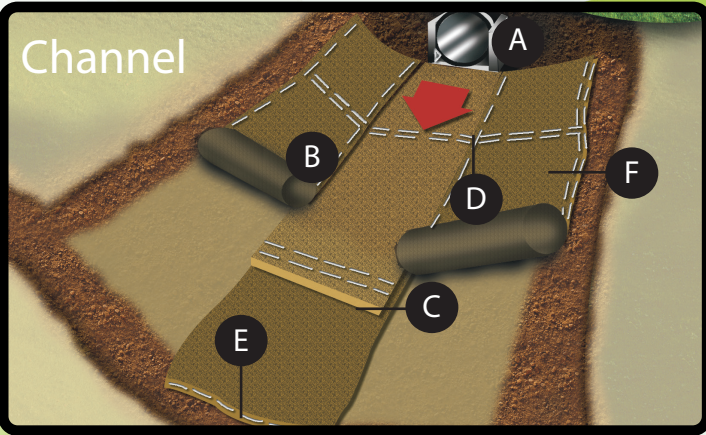
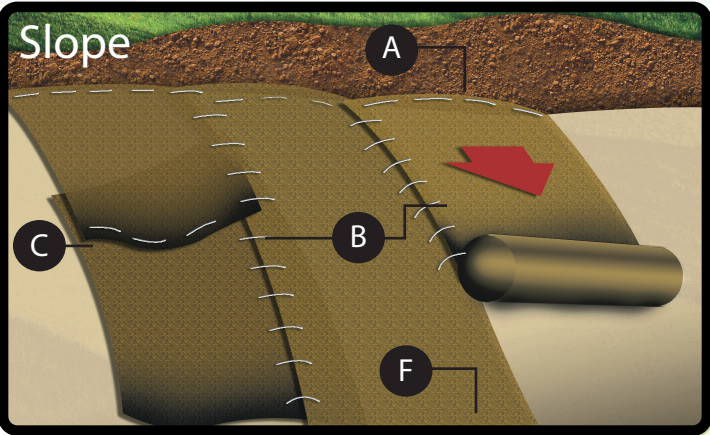
Available exclusively from the East Coast Erosion Control website, the ECDesigner provides engineers and designers with an all in one web-based rolled erosion control product calculator. Designed by a group of engineers, the ECDesigner will easily calculate site specific conditions for both slope and channel situations. Get started designing with the ECDesigner software at www.eastcoastdesigner.com.



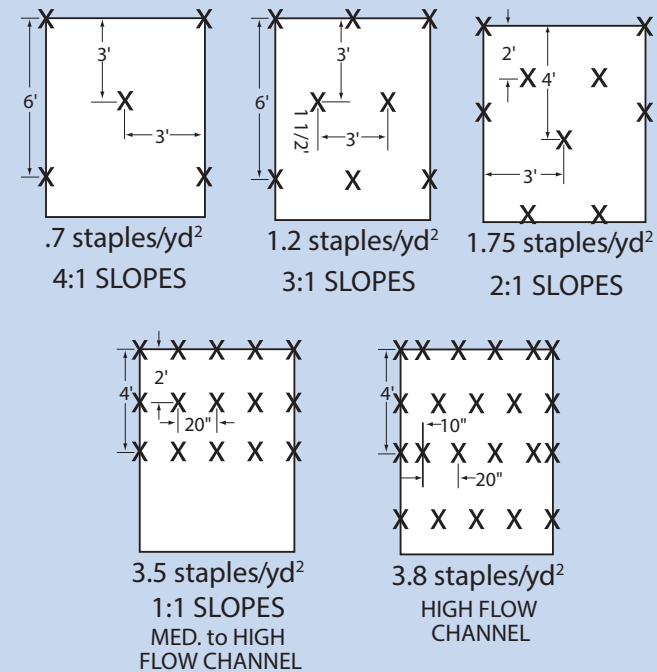
Basics of Installation

East Coast Erosion Control blankets are designed to support, nurture , and/or reinforce vegetation, but proper installation is the key to a successful project. Application of East Coast RECPs for slope and channel projects requires securing the material to the ground surface, protecting the terminal edges, and overlapping ends and seams. East Coast offers a wide range of fastener types from wire staples, eco-friendly stakes, to permanent anchoring solutions. Selection of fasteners will vary depending on soil and site conditions, and proper fastening patterns must be used to achieve optimal results.

Installation Guidelines



These guidelines are recommendations only. Any installation questions should be confirmed with your local distributor.



1. Dig a 6" by 6" trench both up-slope and down-slope of the area the matting is to be applied. Prepare the slope soil surface (raking, seeding and fertilizing). Note: if used with stormwater discharge, place the up-slope trench at the face of the discharge structure footer.
2. Begin by placing the center blanket a minimum of 12" down-slope of the up-slope trench. Secure the blanket at the bottom of the trench with staples placed 12" apart. Backfill and compact the trench. Apply seed, and fold the blanket over soil, secure with a row of staples placed 12" apart across the width of the blanket. (Diagram A)
3. Roll the blanket vertically down the slope. Secure using the appropriate staple pattern below, specified by the slope. (Staple Patterns)
4. Parallel blankets must be overlapped by a minimum of 4", and secured with a row of staples placed approximately 3' apart. (Diagram B)
5. Additional blankets can be joined using a minimum 4" overlapping or shingle style (Diagram C) in the direction of water flow. Connect the blankets by placing staples approximately 5" for channel and 12" for slope, apart across the width of the blankets.
6. For maximum performance a check slot should be placed at 25'-40' intervals. Place a row of staples 4" apart along the entire width of the slope or channel. A second row should be placed 4" below in a staggered pattern. (Diagram D)
7. The end of blanket must be secured in a 6" x 6" trench with a row of staples placed at 12" intervals. (Diagram E)
8. At the top edge of the side slope on the channel, fasten the blanket in a 6" x 6" trench with staples placed at 12" intervals. Install an additional row of staples 1' down slope of the trench along the width of the fabric. (Diagram F)

SHORT TERM Solutions to Soil Erosion Problems

Straw Single Net Blanket



ECS-1

Synthetic, Photodegradable Net



ECS-1B

Biodegradable, Leno Weave Organic Jute



ECS-1D

Accelerated Synthetic, Photodegradable Net
45-90 days functional Life

Ideal for erosion protection and the establishment of vegetation for up to 12 months, the ECS-1 is a single net, 100% straw fiber erosion blanket designed for low maintenance areas such as subtle grades, swales with performance up to 1.55 PSF (74 Pa), roadside slopes, and on slopes ranging from 4:1 to 3:1.

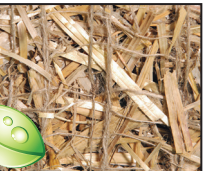


Straw Double Net Blanket



ECS-2

Synthetic, Photodegradable Net



ECS-2B

Biodegradable, Leno Weave Organic Jute



ECS-2D

Accelerated Synthetic, Photodegradable Net
45-90 days functional life

Made with 2 nets and 100% straw fiber matrix, the ECS-2 will provide protection up to 12 months, and is designed for moderate flow channels with performance up to 2.05 PSF (98 Pa) and on slopes up to 2:1. The double netting ensures more efficient erosion protection and plant growth than the single layer of netting.



Excelsior Fiber Blanket



ECX-1

Synthetic, Photodegradable Net



ECX-2

Synthetic, Photodegradable Net

Designed for areas with moderate flow channels with flows up to 2.13 PSF (102 Pa) and slopes up to 1.5:1, the ECX-1 will provide protection for 12 months, and the ECX-2 up to 24 months. Made with 100% Aspen wood fiber, the matrix will enhance water absorption, therefore aiding in quicker vegetation establishment.



EcoSelect 100% Biodegradable Solutions

Our EcoSelect erosion and sediment control solutions are 100% biodegradable options designed for use in bioengineering projects, environmentally sensitive sites, shaded areas, and stream banks. Produced with biodegradable thread and jute netting and a range of fiber matrix options, they leave no synthetic residues or microplastics.

EXTENDED TERM Solutions to Soil Erosion Problems

Straw/Coconut Double Net Blanket



ECSC-2

Synthetic, Photodegradable Net



ECSC-2B

Biodegradable, Leno Weave Organic Net

Engineered for erosion protection for up to 24 months, the ECSC-2 is designed for use in moderate-heavy flow channels with flows up to 2.25 PSF (108 Pa) and on slopes up to a 1:1 grade. The combination of the 70% straw / 30% coconut matrixes provides extra protection for extended vegetation growth.

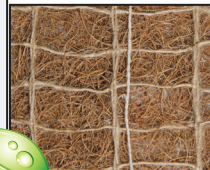


Coconut Double Net Blanket



ECC-2

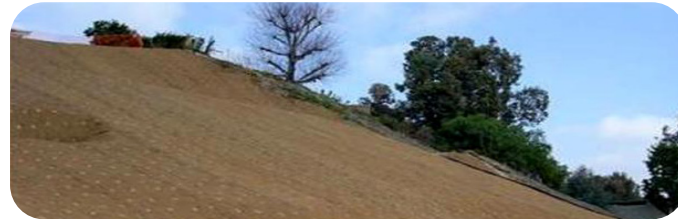
Synthetic, Photodegradable Net



ECC-2B

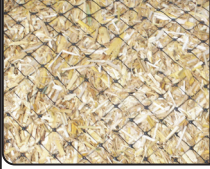
Biodegradable, Leno Weave Organic Net

Made with 100% coconut fiber, the ECC-2 is ideally suited for erosion protection and the establishment of vegetation up to 36 months. The ECC-2 is an erosion blanket designed for steep embankments up to a 1:1 grade and moderate channel flow with flows up to 2.5 PSF (120 Pa). The blanket is slow to degrade, providing the most extended temporary erosion control available.



ECWATTLE Sediment Retention Fiber Rolls

Sediment Control Wattles/Logs



Straw Wattle

Synthetic, Photodegradable Net, Straw fill



Coir Log

Biodegradable, Coir Net, Coconut fill

The straw wattle is excellent for use as check dams, perimeter control, and as a silt fence replacement. This lightweight product is designed to function as low-flow inlet filters and roadside filters, as they allow minimal flow and sediment to pass through.

Coir Logs are excellent for restoring eroded stream banks, lake shores and coastlines. Coir logs are made with 100% natural organic fiber and are free of synthetic netting or chemical additives.

Our sediment control devices are available in various and custom diameters and lengths.



WattleFence™ Sediment Control Device

Sediment Control Wattles/Logs



WattleFence™

Biodegradable sediment control combining the best features of wattles and silt fence.

WattleFence is the newest innovation in sediment control, combining the best features of wattles and silt fence.

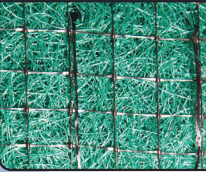
The WattleFence is a unique solution to the treatment of sediment-laden flows, quickly and cost-effectively replacing more traditional technologies for perimeter control, slope interruption, ditch checks, and more.




Indicates our EcoSelect™ 100% biodegradable erosion and sediment control solution

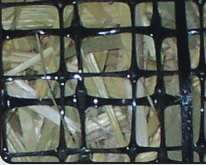
PERMANENT Solutions with Turf Reinforcement Mats


East Coast Turf Reinforcement Mats (TRMs) are ideal for high-flow channels, stream banks, shorelines, and other areas needing permanent vegetation reinforcement and protection from water and wind. More economical than rock riprap and other hard armor systems, our TRMs protect vulnerable areas with minimum maintenance and maximum durability.


ECP-2 10 oz. Polypropylene Turf Reinforcement Mat		
	Designed to provide erosion protection necessary for the establishment of vegetation, and provide a permanent solution for turf reinforcement, the ECP-2 10 oz. is highly suited for use in high-flow channels, lakes, ponds, or other high-flow areas. A permanent, two layer netting structure firmly helps secure establishing roots.	Top & Bottom Net: Medium Weight UV-Stabilized Polypropylene
		Matrix: 100% Colored Polypropylene fiber – 10 oz.
		Thread: Black UV-Stabilized
		Permissible Shear Stress: 2.30 PSF (110 Pa) Unvegetated 10.0 PSF (478 Pa) Vegetated

ECP-2 (12 oz.) Polypropylene Turf Reinforcement Mat		
	Slightly heavier than the ECP-2 10 oz, the ECP-2 is intended for use in areas susceptible to high water velocities. It will provide erosion protection necessary before, during and after vegetation is established. It is recommended in areas where natural vegetation is unable to control erosion alone.	Top & Bottom Net: Medium Weight UV-Stabilized Polypropylene
		Matrix: 100% Colored Polypropylene Fiber – 12 oz.
		Thread: Black UV-Stabilized
		Permissible Shear Stress: 2.6 PSF (124 Pa) Unvegetated 12.0 PSF (574 Pa) Vegetated

Our Triple Net design of TRMs incorporate a fiber matrix within a permanent net structure. The organic or permanent fiber matrix options offer the highest in initial soil protection, aid in vegetation establishment, and support that vegetation with it reinforced structure from germination to maturity.

ECSC-3 Straw/Coconut Turf Reinforcement Mat		
	Designed to provide erosion protection necessary for the establishment of vegetation, and provide a permanent solution for turf reinforcement, the ECSC-3 is highly suited for use in high-flow channels, lakes, ponds, or other high-flow areas. A permanent, three layer netting structure firmly helps secure establishing roots, while including the benefit of the straw/coconut matrix blend.	Top & Bottom Net: Medium Weight UV-Stabilized polypropylene
		Middle Net: Heavy Weight UV-Stabilized Polypropylene
		Matrix: 70% Agricultural Straw/30% Coconut Fiber
		Thread: Black UV-Stabilized Permissible Shear Stress: 3.0 PSF (144 Pa) Unvegetated 10.0 PSF (478 Pa) Vegetated

ECC-3 Coconut Turf Reinforcement Mat		
	Created with three UV-stabilized nets, the three dimensional ECC-3 will provide protection through all phases of vegetation growth. The layer of coconut fiber is slow to degrade and helps with the germination. This is an excellent choice for high-flow areas and steep embankments where a permanent solution is needed.	Top & Bottom Net: Medium Weight UV-Stabilized Polypropylene
		Middle Net: Heavy weight UV-Stabilized Polypropylene
		Matrix: 100% Coconut Fiber
		Thread: Black UV-Stabilized Permissible Shear Stress: 3.2 PSF (153 Pa) Unvegetated 12.0 PSF (574 Pa) Vegetated

ECP-3 Triple Net Polypropylene Turf Reinforcement Mat		
	This ultra-heavy three-dimensional turf reinforcement mat can sustain heavy water flows while providing erosion protection through all phases of vegetation establishment. ECP-3 is highly suited for use on steep slopes, high-flow channels, lakes, or pond banks.	Top, Middle & Bottom Net: Heavy Weight UV-Stabilized Polypropylene
		Matrix: 100% Colored Polypropylene Fiber
		Thread: Black UV-Stabilized
		Permissible Shear Stress: 3.8 PSF (182 Pa) Unvegetated 14.0 PSF (670 Pa) Vegetated



PERMANENT High-Performance Systems with Falcon Anchoring Solutions

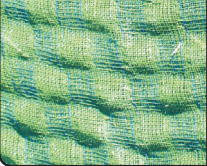
FALCON ANCHORS™

FALCON PINS™

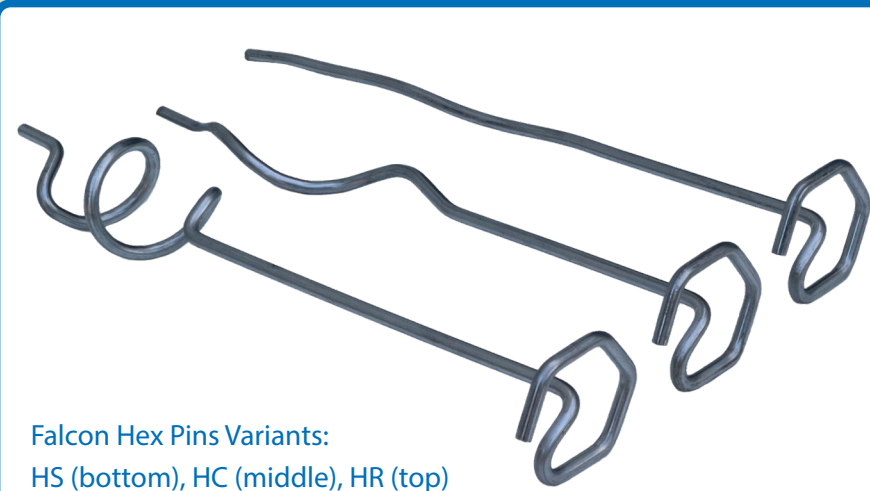
When it comes to project sites that require the highest strength and performance, a High-Performance Turf Reinforcement Mat (HPTRM) combined with a percussion driven anchor (PDA) are designed to provide better stabilization for steep slopes, shorelines, and other high-flow areas. The T-RECS HPTRM's dome shape and 3-D structure allow it to catch soil, water and seed helping the vegetation to grow fast with a strong root system. Couple that with the Falcon Anchor's ability to penetrate the soil strata, and together you have a system with unparalleled performance.



The Falcon anchors are available in multiple sizes and configurations allowing specific performance and economic options for your next project site.

T-RECS® Woven Dome-Shaped Turf Reinforcement Mat		
	This revolutionary three-dimensional, woven polypropylene geotextile turf reinforcement mat provides a permanent soil erosion control solution. The open weave allows plants to easily grow through the mat. T-RECS is excellent for steep slopes (0.5:1) and for high-flow channels.	Netting: Woven UV-Stabilized Polypropylene
		Permissible Shear Stress: 15.0+ PSF (718 Pa) Vegetated

The Falcon Hex Pins are an innovative fastener providing significantly greater pullout resistance than typical straight pins or staples. Available in configurations specialized for different soil types, the Falcon Hex Pins improve pullout performance in soft, sandy soils to compact and even rocky soils. This allows for better tie down of seams, simple simulated check trench construction and replacement of more costly hardware in some instances. The Falcon Hex Pins are installed using a hand drill with a custom chuck or a standard 1.5" hex socket. Falcon Hex Pins are a reliable fastener to assist in a high performing, yet cost effective installation of permanent TRMs and HPTRMS.



Falcon Hex Pins Variants:
HS (bottom), HC (middle), HR (top)

Falcon Hex Pins come in three coil variants, each available in two lengths - 8" and 12". The HS-8 and HS-12 are designed for loose soils, think S for soft, sandy, or silty soils. The HC-8 and HC-12 are optimized for compact, cohesive and heavy clay soils. The HR-8 and HR-12 are suitable for hard, rocky soils. With up to 10 x the pull-out strength of other fasteners, like sod staples or fabric pins, consider the Falcon Hex pins for your next project.



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