EASTCOAST
erosion control

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.

In today's market it is important to have a supplier committed to excellence. We specialize in rolled erosion blankets. Our single focus is in producing the highest quality rolled erosion product to solve erosion issues worldwide.

Erosion Control Technology Council
DIRECTING MEMBER

IECA
Corporate Member

Advantages of Using East Coast Erosion Control:

- Complete, wide variety of erosion control matrixes to meet all jobsite 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
- Among the best length and width uniformity in the industry provides easy application and installation procedures
- Ease of installation can save up to 25% in time and labor on most jobs
- Rolled edges to achieve a full width of product usage
- Various widths and custom lengths available to meet your job specifications
- Easy product handling and transportation
- Products supported with large scale testing in compliance with current ASTM standards
- World Wide distribution for timely product availability
- Products contribute to LEED™ certification

Easy Site-Specific Product Selection Guide

ECDESIGNER™

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.

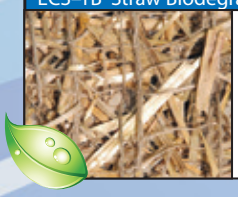
As a leader in the industry and our community, we recognize the need for products which are friendly to the environment and our wildlife. The ECOSELECT™ product line features 100% biodegradable erosion control blankets and sediment devices. Made with all-natural raw materials, the products are engineered to control and reduce the damage caused by wind and water erosion.

ECOSELECT

Environmentally Friendly Products

BIODEGRADABLE Solutions to Soil Erosion Problems

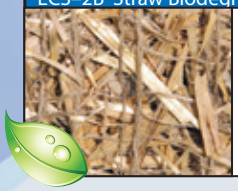
ECS–1B Straw Biodegradable Single Net Blanket



Intended for quick vegetation growth while providing erosion control for up to 12 months, the ECS-1B is ideal for subtle grades, swales, roadside slopes, and bioengineering.

Top Net: Leno Weave Organic Jute Netting
Matrix: 100% Agricultural Straw
Thread: Biodegradable
Permissible Shear Stress: 1.55 PSF (74 Pa)

ECS–2B Straw Biodegradable Double Net Blanket



Made with 2 natural nets, the ECS-2B will provide protection up to 12 months, and is designed for moderate flow channels and on slopes up to 2:1. The double netting ensures more efficient erosion protection and plant growth than the single layer of netting.

Top Net: Leno Weave Organic Jute Netting
Bottom Net: Leno Weave Organic Jute Netting
Matrix: 100% Agricultural Straw
Thread: Biodegradable
Permissible Shear Stress: 1.73 PSF (83 Pa)

ECSC–2B Straw/Coconut Biodegradable Double Net Blanket

Made with a blend of straw and coconut, the ECSC-2B offers protection up to 18 months and works effectively in moderate flow rainfall and runoffs, and on slopes up to 1:1 grade. The addition of coconut to the straw increases the absorption amount and provides extra protection for extended vegetation growth.

Top Net: Leno Weave Organic Jute Netting
Bottom Net: Leno Weave Organic Jute Netting
Matrix: 70% Agricultural Straw/30% Coconut Fiber
Thread: Biodegradable
Permissible Shear Stress: 2.0 PSF (96 Pa)

ECC–2B Coconut Biodegradable Double Net Blanket

Ideally suited for erosion protection and the establishment of vegetation up to 24 months, the ECC-2B is an erosion blanket designed for steep embankments exceeding a 1:1 grade and moderate channel flow. The blanket is slow to degrade, providing the most extended temporary erosion control available.

Top Net: Leno Weave Organic Jute Netting
Bottom Net: Leno Weave Organic Jute Netting
Matrix: 100% Coconut Fiber
Thread: Biodegradable
Permissible Shear Stress: 2.25 PSF (108 Pa)

Eco–Log Biodegradable Wattle

Made with 100% biodegradable materials, the ECO-Log is a sediment device suited for environmentally sensitive areas such as stream banks, ponds, forested areas, or adjacent wetlands. In addition, the raw materials will degrade naturally, eliminating the expense of product disposal.

Netting: Organic Jute Material
Matrix: Blend of Natural Materials

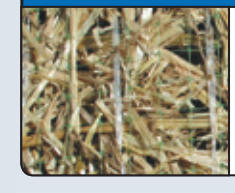
ACCELERATED Solutions to Soil Erosion Problems

ECS–1D Accelerated Straw Single Net Blanket

Engineered to provide erosion protection up to 45-90 days and for areas up to 3:1 grade. The combination of straw and accelerated degradation makes the ECS-1D perfect choice for residential and golf course applications.

Top Net: Accelerated Light Weight Photodegradable Polypropylene
Matrix: 100% Agricultural Straw
Thread: Degradable
Permissible Shear Stress: 1.50 PSF (72 Pa)

ECS–2D Accelerated Straw Double Net Blanket

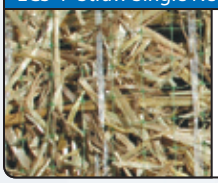


Designed to provide erosion protection up to 45-90 days, ECS-2D can be used in areas up to a 2:1 slope that requires quick mowing. The double netting ensures more efficient erosion protection and plant growth than the single layer of netting.

Top Net: Accelerated Light Weight Photodegradable Polypropylene
Bottom Net: Accelerated Light Weight Photodegradable Polypropylene
Matrix: 100% Agricultural Straw
Thread: Degradable
Permissible Shear Stress: 2.05 PSF (98 Pa)

SHORT TERM Solutions to Soil Erosion Problems

ECS–1 Straw Single Net Blanket



Ideal for erosion protection and the establishment of vegetation for up to 12 months, the ECS-1 is an erosion blanket designed for low maintenance areas such as subtle grades, swales, roadside slopes, and on slopes ranging from 4:1 to 3:1.

Top Net: Light Weight Photodegradable Polypropylene
Matrix: 100% Agricultural Straw
Thread: Degradable
Permissible Shear Stress: 1.50 PSF (72 Pa)

ECS–2 Straw Double Net Blanket

Made with 2 nets, the ECS-2 will provide protection up to 12 months, and is designed for moderate flow channels and on slopes up to 2:1. The double netting ensures more efficient erosion protection and plant growth than the single layer of netting.

Top Net: Light Weight Photodegradable Polypropylene
Bottom Net: Lightweight Photodegradable Polypropylene
Matrix: 100% Agricultural Straw
Thread: Degradable
Permissible Shear Stress: 2.05 PSF (98 Pa)

ECX–1 Excelsior Single Net Blanket

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

Top Net: Light Weight Photodegradable Polypropylene
Matrix: 100% Aspen Wood Fibers
Thread: Degradable
Permissible Shear Stress: 1.78 PSF (85 Pa)

EXTENDED TERM Solutions to Soil Erosion Problems

ECSC–2 Straw/Coconut Double Net Blanket

Engineered for erosion protection for up to 24 months, the ECSC-2 is designed for use in moderate-heavy flow channels and on slopes up to a 1:1 grade. The combination of the two effective matrixes provides extra protection for extended vegetation growth.

Top Net: Medium Weight UV-Stabilized Polypropylene
Bottom Net: Light Weight Photodegradable Polypropylene
Matrix: 70% Agricultural Straw/30% Coconut Fiber
Thread: Degradable

ECX–2 Excelsior Double Net Blanket

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

Top Net: Medium Weight UV-Stabilized Polypropylene
Bottom Net: Medium Weight UV-Stabilized Polypropylene
Matrix: 70% Agricultural Straw/30% Coconut Fiber
Thread: Degradable
Permissible Shear Stress: 2.13 PSF (102 Pa)

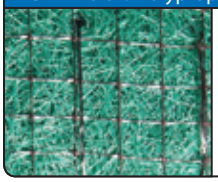
ECC–2 Coconut Double Net Blanket

Made with 100% coconut fiber, the ECC-2 is an excellent choice for steep embankments, landfill side slopes and high-flow channels. The blanket is slow to degrade, providing the most extended temporary erosion control available.

Top Net: Medium Weight UV-Stabilized Polypropylene
Bottom Net: Medium Weight UV-Stabilized Polypropylene
Matrix: 100% Coconut Fiber
Thread: Black UV-Stabilized
Permissible Shear Stress: 2.5 PSF (120 Pa)

PERMANENT Solutions to Soil Erosion Problems

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.

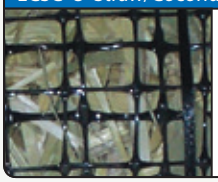
Top & Bottom Net: Medium Weight UV-Stabilized Polypropylene
Matrix: 100% Colored Polypropylene fiber – 10 oz.
Thread: Black UV-Stabilized
Permissible Shear Stress: 2.30 PSF (110 Pa) Unvegetated

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

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

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.

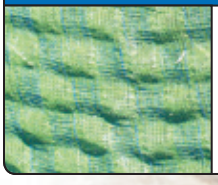
Top & Bottom Net: Medium Weight UV-Stabilized Polypropylene
Middle Net: Heavy weight UV-Stabilized Polypropylene
Matrix: 100% Coconut Fiber
Thread: Black UV-Stabilized
Permissible Shear Stress: 3.2 PSF (153 Pa) Unvegetated
12.0 PSF (574 Pa) Vegetated

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

T-RECS® Woven Dome-Shaped Turf Reinforcement Mat

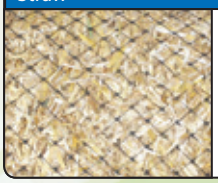


This revolutionary three-dimensional, woven polypropylene geotextile turf reinforcement mat provides a permanent soil erosion control solution. The open weave allows plants to easily grow through the mat. T-RECS is excellent for steep slopes (0.5:1) and for high-flow channels.

Netting: Woven UV-Stabilized Polypropylene
Permissible Shear Stress: 15.0+ PSF (718 Pa) Vegetated

ECWATTLE Sediment Retention Fiber Rolls

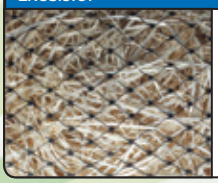
Straw



The straw wattle is excellent for use as check dams, perimeter control, and as a silt fence replacement. This lightweight product is designed to provide two methods of sediment removal. First by letting sediment to settle through ponding; then flow-through filtration allows for additional sediment removal. Easy installation with minimal trenching needed. Available in various and custom lengths.

Netting: UV Degradable Polypropylene
Matrix: 100% Agricultural Straw
Diameters: 9", 12", 20"

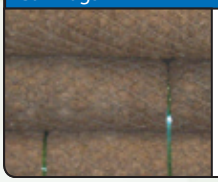
Excelsior



The excelsior wattle is excellent for use as check dams, perimeter control, and as a silt fence replacement. The excelsior wattles provide excellent filtration while allowing the water to flow through the product at a higher rate than straw wattles. The flexibility of the excelsior enables easy mobility. Available in various and custom lengths.

Netting: UV Degradable Polypropylene
Matrix: 100% Aspen Wood Fibers
Diameters: 12", 20"

Coir Logs



The 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. Available in various and custom lengths.

Netting: Biodegradable Coir Twine
Matrix: 100% Coir Fibers
Diameters: 6",12", 16", 20"

East Coast Erosion Control, LLC is dedicated to manufacturing quality products at fair-market prices while maintaining a strong commitment to satisfying the needs of its customers, employees and shareholders.

Installation Guidelines

1. Slope - 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).

   Channel - Dig a 6" by 6" trench both up-slope, down-slope, and along the top side of the channel. 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. Slope - Parallel blankets must be overlapped by a minimum of 4", and secured with a row of staples placed approximately 3' apart. (Diagram B)

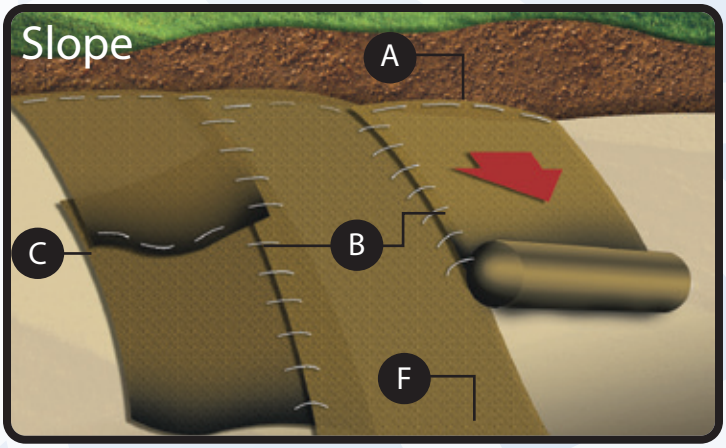
   Channel - Continue placing blankets up the slopes on both sides, with a minimum 4" overlapping (Diagram B), and securing each blanket in the beginning trench. (Diagram A)

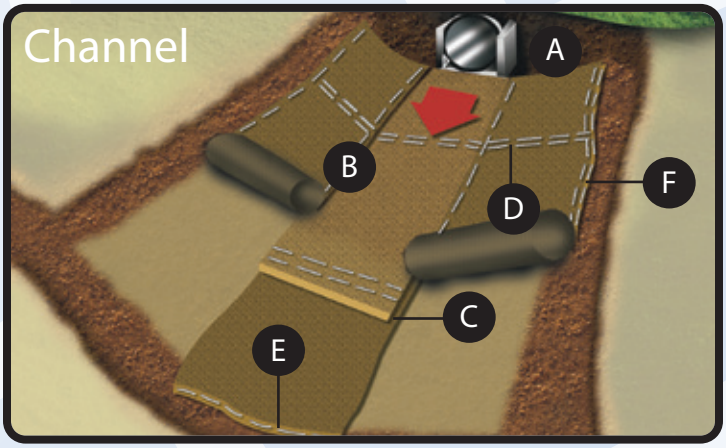
5. Additional blankets can be joined using a minimum 4" overlapping or shingle style (Diagram C) in the direction of water flow. Connect the blankets by placing staples approximately 5" for channel and 12" for slope, apart across the width of the blankets.

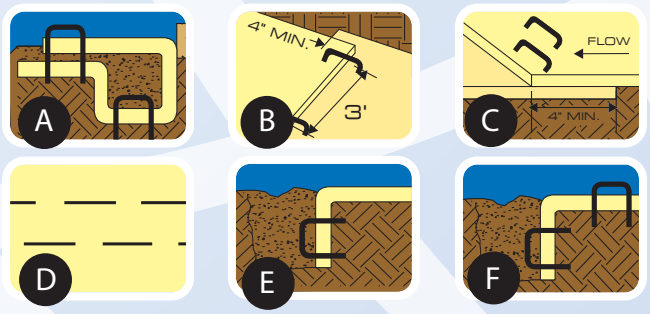
6. For maximum performance a check slot should be placed at 25'-40' intervals. Place a row of staples 4" apart along the entire width of the slope or channel. A second row should be placed 4" below in a staggered pattern. (Diagram D)

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)

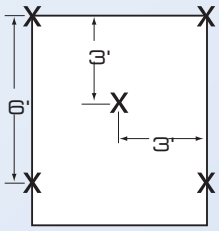
8. At the top edge of the side slope on the channel, fasten the blanket in a 6" x 6" trench with staples placed at 12" intervals. Install an additional row of staples 1' down slope of the trench along the width of the fabric. (Diagram F)



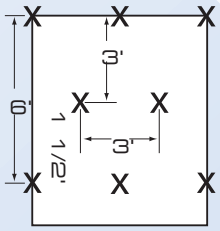




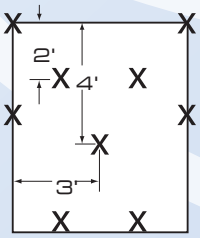
These guidelines are recommendations only. Any installation questions should be confirmed with your local distributor. T-RECS® and Coir mat have individual installation guidelines; refer to website for patterns.



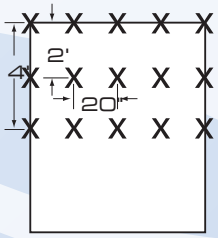
.7 staples/yd²
4:1 SLOPES



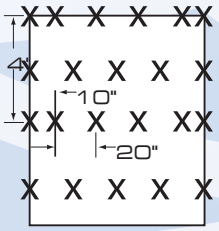
1.2 staples/yd²
3:1 SLOPES



1.75 staples/yd²
2:1 SLOPES



3.5 staples/yd²
1:1 SLOPES
MED. to HIGH
FLOW CHANNEL



3.8 staples/yd²
HIGH FLOW
CHANNEL

EASTCOAST erosion control

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