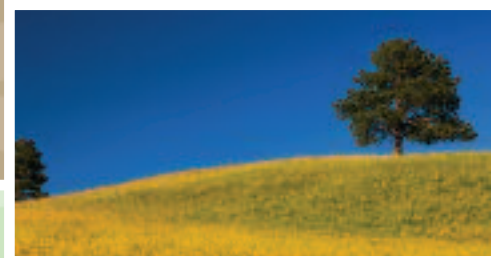




**EASTCOAST**  
erosion blankets

## **Features and Installation Instructions**

# Protect Your Landscapes with East Coast Erosion Blankets



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 the use of East Coast erosion control blankets and mats. East Coast products are of the highest quality, and designed to solve all types of erosion problems.

Conveniently located in eastern Pennsylvania, East Coast offers products that provide short-term, extended-term, and permanent soil protection. East Coast erosion control 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.

East Coast erosion control blankets are three dimensional in structure, allowing for optimal rainfall absorption, creating ideal conditions for maximum seed germination. This quick establishment of vegetation helps prevent the erosion of topsoil by the forces of water and wind. Topsoil erosion control helps avoid costly cleanups and extensive repairs to slopes and vegetation.

## Advantages of Using East Coast Erosion Blankets:

- Manufactured in close proximity to major East Coast markets, resulting in faster delivery times.
- Superior product quality enhances erosion control while fostering vegetation and improved germination times.
- State-of the-art manufacturing process delivers better product performance.
- Multiple erosion control matrixes to cover a wide range of applications.
- Easy product application and installation procedures.
- Rolled edges to achieve a full 7'6" width of product usage.
- 3'9" and 7'6" widths and custom lengths available to meet your job specifications.
- Among the greatest blanket lengths and uniformities within the industry.
- A high level of permissible shear stress enhances the strength and integrity of the blanket.
- Ease of installation can save up to 25% in time and labor on most jobs.
- Palletization allows for efficient handling and transportation.
- Blankets are tightly woven, with seams 1.5" apart and stitches 2" apart.



	ECS-1	ECS-1B	ECX-1	ECS-2	ECS-2B	ECX-2	ECSC-2	ECSC-2B	ECC-2	ECC-2B	ECP-2	ECC-3
<b>Resiliency</b>	65.0%	70.0%	60.0%	69.0%	71.0%	72.0%	74.0%	71.0%	86.0%	68.0%	80.0%	85.0%
<b>Mass per Unit Area</b>	9.86 oz/yd <sup>2</sup>	9.66 oz/yd <sup>2</sup>	5.64 oz/yd <sup>2</sup>	11.95 oz/yd <sup>2</sup>	12.23 oz/yd <sup>2</sup>	7.00 oz/yd <sup>2</sup>	9.47 oz/yd <sup>2</sup>	13.33 oz/yd <sup>2</sup>	9.52 oz/yd <sup>2</sup>	13.82 oz/yd <sup>2</sup>	12.2 oz/yd <sup>2</sup>	13.44 oz/yd <sup>2</sup>
<b>Water Absorption</b>	347.0%	453.0%	236.0%	338.0%	403.0%	236.0%	326.0%	385.0%	233.0%	225.0%	N/A	224.0%
<b>Swell</b>	41.0%	43.0%	51.0%	32.0%	47.0%	32.0%	56.0%	47.0%	25.0%	36.0%	N/A	13.0%

## 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 control blanket designed for low maintenance areas such as subtle grades, swales, roadside slopes, and on slopes ranging from 4:1 to 3:1. The blanket is made from 100% agricultural straw, stitched with degradable thread to a single layer of photodegradable polypropylene netting.

\* Accelerated Degradable netting available

<b>Net:</b>	Lightweight photodegradable polypropylene
<b>Straw Fiber:</b>	100% agricultural straw (0.55 lbs/yd <sup>2</sup> )
<b>Thread:</b>	Degradable
<b>Permissible Shear Stress:</b>	1.55psf (lbs/sq.ft.)

### ECS-1B Straw Biodegradable Single Net Blanket



Intended for quick vegetation growth and to provide turf reinforcement for up to 12 months, the ECS-1B is a 100% biodegradable erosion control blanket designed for low maintenance areas such as subtle grades, swales, roadside slopes, and bioengineering. It provides protection in light to moderate rainfall and runoff. The blanket is made from 100% agricultural straw, stitched with biodegradable thread to a single layer of organic jute netting.

<b>Top Net:</b>	Organic jute netting
<b>Straw Fiber:</b>	100% agricultural straw (0.55 lbs/yd <sup>2</sup> )
<b>Thread:</b>	Biodegradable
<b>Permissible Shear Stress:</b>	2.1psf (lbs/sq.ft.)

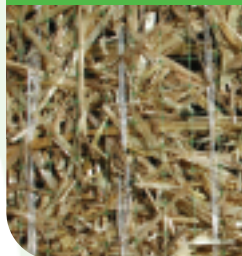
### ECX-1 Excelsior Single Net Blanket



Ideal for erosion protection and the establishment of vegetation for up to 12 months, the ECX-1 is an erosion control blanket designed for moderate flow channels and 3:1 to 2:1 slopes. The blanket is made of 100% aspen wood fiber, stitched with degradable thread to a single layer of photodegradable polypropylene netting.

<b>Top Net:</b>	Lightweight accelerated photodegradable polypropylene
<b>Fiber Matrix:</b>	100% Aspen wood (0.625 lbs/yd <sup>2</sup> )
<b>Thread:</b>	Degradable
<b>Permissible Shear Stress:</b>	1.8psf (lbs/sq.ft.)

### ECS-2 Straw Double Net Blanket



Also ideal for erosion protection and the establishment of vegetation for up to 12 months, the ECS-2 is an erosion control blanket designed for moderate flow drainage channels and on slopes ranging from 3:1 to 2:1. The blanket is made from 100% agricultural straw that is stitched with degradable thread between two layers of degradable polypropylene netting. The double netting ensures more efficient erosion protection and plant growth than the single layer of netting.

\* Accelerated Degradable netting available

<b>Top Net:</b>	Lightweight photodegradable polypropylene
<b>Straw Fiber:</b>	100% agricultural straw (0.55 lbs/yd <sup>2</sup> )
<b>Bottom Net:</b>	Lightweight photodegradable polypropylene
<b>Thread:</b>	Degradable
<b>Permissible Shear Stress:</b>	2.1psf (lbs/sq.ft.)

### ECS-2B Straw Biodegradable Double Net Blanket



Intended for quick vegetation growth and to degrade for up to 12 months, the ECS-2B is a 100% biodegradable erosion control blanket designed for moderate flow rainfall and runoff and on slopes ranging from 3:1 to 2:1. The blanket is made from 100% agricultural straw that is stitched with biodegradable thread between two layers of organic jute netting. The double netting ensures more efficient erosion protection and plant growth than the single layer of netting.

<b>Top Net:</b>	Organic jute netting
<b>Straw Fiber:</b>	100% agricultural straw (0.55 lbs/yd <sup>2</sup> )
<b>Bottom Net:</b>	Organic jute netting
<b>Thread:</b>	Biodegradable

## Extended Term Solutions to Soil Erosion Problems

### ECSC-2 Straw/Coconut Double Net Blanket

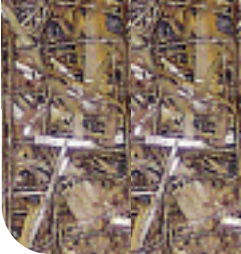


Ideal for erosion protection and the establishment of vegetation for up to 24 months, the ECSC-2 is an erosion control blanket designed for use in moderate-heavy flow drainage channels and on slopes of up to a 1:1 grade. The blanket is made from a mix of 70% agricultural straw and 30% coconut fiber, stitched with degradable thread between a layer of UV-stabilized top netting and a bottom layer of standard polypropylene netting. This blanket provides extra protection for extended vegetation growth.

<b>Top Net:</b>	Heavyweight UV-stabilized polypropylene
<b>Straw/Coconut Matrix:</b>	70% agricultural straw (0.38 lbs/yd <sup>2</sup> ) 30% coconut (0.17 lbs/yd <sup>2</sup> )
<b>Bottom Net:</b>	Lightweight photodegradable polypropylene
<b>Thread:</b>	Degradable
<b>Permissible Shear Stress:</b>	2.6psf (lbs/sq.ft.)

## Extended Term Solutions to Soil Erosion Problems (continued)

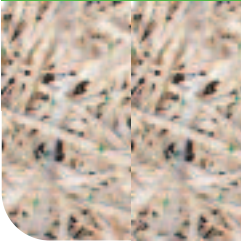
**ECSC-2B** Straw/Coconut Biodegradable Blanket

A close-up photograph of the ECSC-2B blanket, showing a dense, brown, fibrous material made of straw and coconut fiber, stitched with a light-colored thread.

Ideal for erosion protection and the establishment of vegetation providing for up to 18-months of turf reinforcement, the ECSC-2B is a 100% biodegradable erosion control blanket designed for use in moderate to heavy flow rainfall and runoffs, on slopes of up to 1:1 grade and bioengineering. The blanket is made with a mix of 70% agricultural straw and 30% coconut fiber; stitched with biodegradable thread between 2 layers of organic jute netting. This blanket provides extra protection for extended vegetation growth.

<b>Top Net:</b>	Organic jute netting
<b>Straw Coconut Matrix:</b>	70% agricultural straw (0.38 lbs/yd <sup>2</sup> ) 30% coconut (0.17 lbs/yd <sup>2</sup> )
<b>Bottom Net:</b>	Organic jute netting
<b>Thread:</b>	Biodegradable

**ECX-2** Excelsior Double Net Blanket


A close-up photograph of the ECX-2 blanket, showing a light brown, fibrous material made of aspen wood fiber, stitched with a dark thread.

Ideal for erosion control protection and the establishment of vegetation for up to 24 months, the ECX-2 is an erosion control blanket designed for moderate flow channels and 2:1 to 1.5:1 slopes. The blanket is made from 100% aspen wood fiber; stitched with degradable thread between two layers of degradable polypropylene netting.

<b>Top Net:</b>	Lightweight photodegradable polypropylene
<b>Fiber Matrix:</b>	100% Aspen wood (0.625 lbs/yd <sup>2</sup> )
<b>Bottom Net:</b>	Lightweight photodegradable polypropylene
<b>Thread:</b>	Degradable
<b>Permissible Shear Stress:</b>	2.03psf (lbs/sq.ft.)

## Long Term Solutions to Soil Erosion Problems

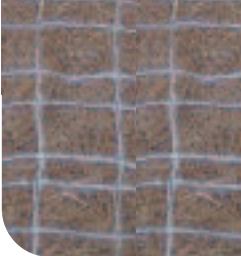
**ECC-2** Coconut Double Net Blanket

A close-up photograph of the ECC-2 blanket, showing a brown, fibrous material made of coconut fiber, stitched with a dark thread.

Ideally suited for erosion protection and the establishment of vegetation for up to 36 months, the ECC-2 is an erosion control blanket designed for use on steep embankments, landfill side slopes and high-flow drainage channels with slopes up to a 1:1 grade. Made from 100% coconut fiber, the blanket is stitched with degradable thread between two layers of UV-stabilized polypropylene netting. The blanket is slow to degrade, providing the most extended temporary erosion control available.

<b>Top Net:</b>	Heavyweight UV-stabilized polypropylene
<b>Fiber Matrix:</b>	100% coconut (0.55 lbs/yd <sup>2</sup> )
<b>Bottom Net:</b>	Heavyweight UV-stabilized polypropylene
<b>Thread:</b>	UV-stabilized polypropylene
<b>Permissible Shear Stress:</b>	3.2psf (lbs/sq.ft.)

**ECC-2B** Coconut Biodegradable Double Net Blanket

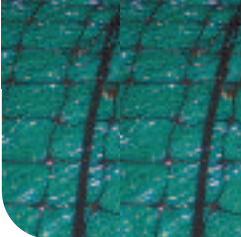
A close-up photograph of the ECC-2B blanket, showing a brown, fibrous material made of coconut fiber, stitched with a light-colored thread.

Ideally suited for erosion protection and the establishment of vegetation along with turf reinforcement for up to 24-months, the ECC-2B is a 100% biodegradable erosion control blanket designed for use on steep embankments, landfill side slopes, high-flow drainage channels with slopes exceeding a 1:1 grade and bioengineering. Made from 100% coconut fiber, the blanket is stitched with biodegradable thread between two layers of organic jute netting. The blanket is slow to degrade, providing the most extended temporary erosion control available.

<b>Top Net:</b>	Organic jute netting
<b>Fiber Matrix:</b>	100% coconut (0.55 lbs/yd <sup>2</sup> )
<b>Bottom Net:</b>	Organic jute netting
<b>Thread:</b>	Biodegradable

## Permanent Solutions to Soil Erosion Problems


**ECP-2** Polypropylene Double Net Blanket

A close-up photograph of the ECP-2 blanket, showing a green, fibrous material made of polypropylene, stitched with a dark thread.

Designed to provide erosion protection necessary for the establishment of vegetation and permanent turf reinforcement for up to 36 months. It is highly suited for use in drainage channels, lakes, ponds and other high-flow areas. A permanent, two-layer netting structure firmly helps secure establishing roots, as well as promote the growths of the vegetation. The netting configuration includes a layer of 100% green polypropylene fiber.

<b>Top Net:</b>	UV-stabilized polypropylene
<b>Fiber Matrix:</b>	100% green polypropylene (0.65 lbs/yd <sup>2</sup> )
<b>Bottom Net:</b>	UV-stabilized polypropylene
<b>Thread:</b>	UV-stabilized polypropylene
<b>Permissible Shear Stress:</b>	3.21psf (lbs/sq.ft.)

**ECC-3** Permanent Turf Reinforcement Mat

A close-up photograph of the ECC-3 mat, showing a brown, fibrous material made of coconut fiber, stitched with a dark thread.

Designed to provide erosion protection necessary for the establishment of vegetation and permanent turf reinforcement for up to 36 months. It is highly suited for use in drainage channels, lakes, ponds and other high-flow areas. A permanent, three-layer netting structure firmly helps secure establishing roots, as well as promote the growth of the vegetation. The netting configuration includes a layer of 100% coconut matrix material.

<b>Top Net:</b>	Mediumweight polypropylene
<b>Fiber Matrix:</b>	100% coconut (0.55 lbs/yd <sup>2</sup> )
<b>Medium Net:</b>	Heavyweight polypropylene
<b>Bottom Net:</b>	Mediumweight polypropylene
<b>Thread:</b>	UV-stabilized polypropylene
<b>Permissible Shear Stress:</b>	3.5psf (lbs/sq.ft.)

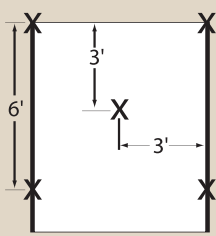


# Basic Installation Guidelines

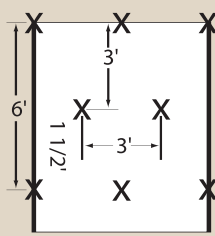
These guidelines are recommendations only. Any questions with the installation should be confirmed with your local distributor.



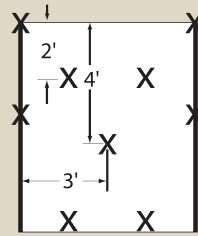
- 1 Prepare the soil surface including raking, seeding, and fertilizing.
- 2 Begin the installation process by digging a trench 6" deep by 6" wide at the top of the slope. Place 12" of blanket over the up-slope portion of the trench. Secure the blanket at the bottom of the trench with staples placed 12" apart. Backfill and compact the trench. Apply seed, and fold the remaining 12" 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 slopes.



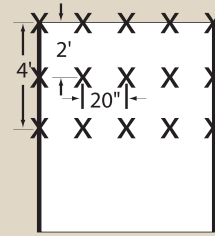
.7 staples/yd<sup>2</sup>  
4:1 SLOPES



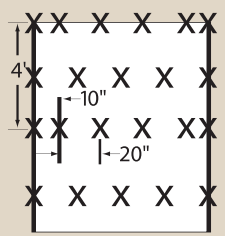
1.2 staples/yd<sup>2</sup>  
3:1 SLOPES



1.75 staples/yd<sup>2</sup>  
2:1 SLOPES

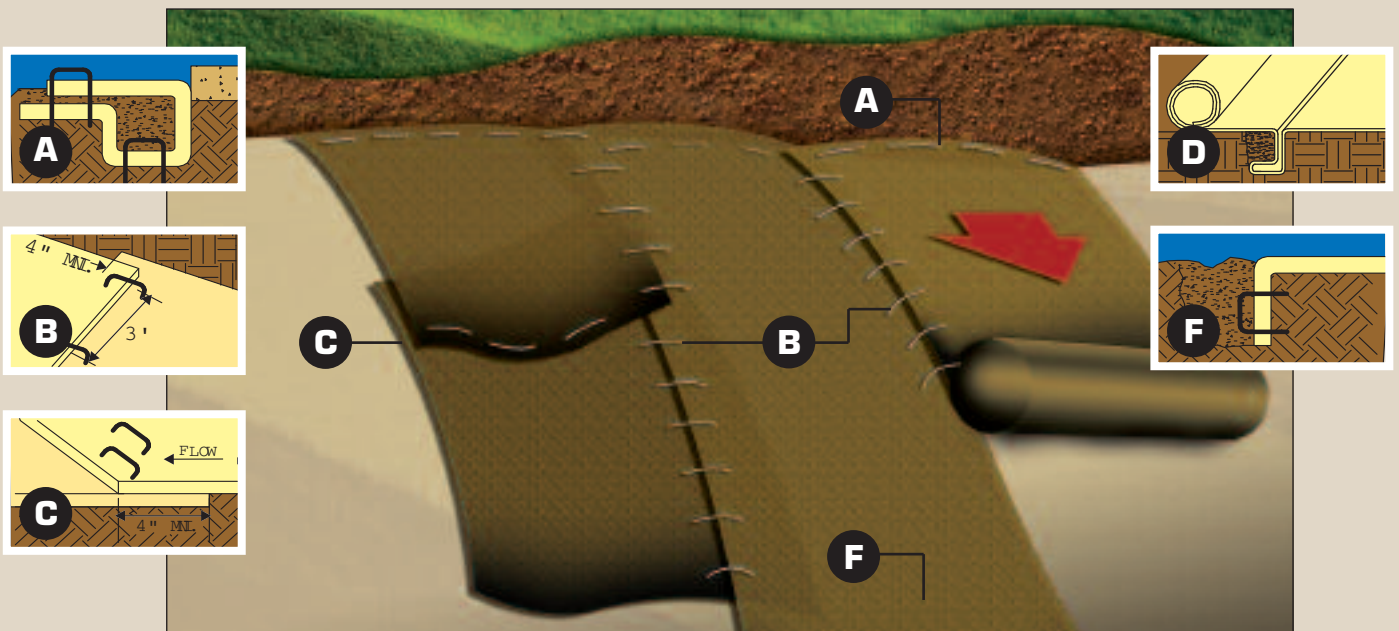


3.5 staples/yd<sup>2</sup>  
MED. to HIGH  
FLOW CHANNEL



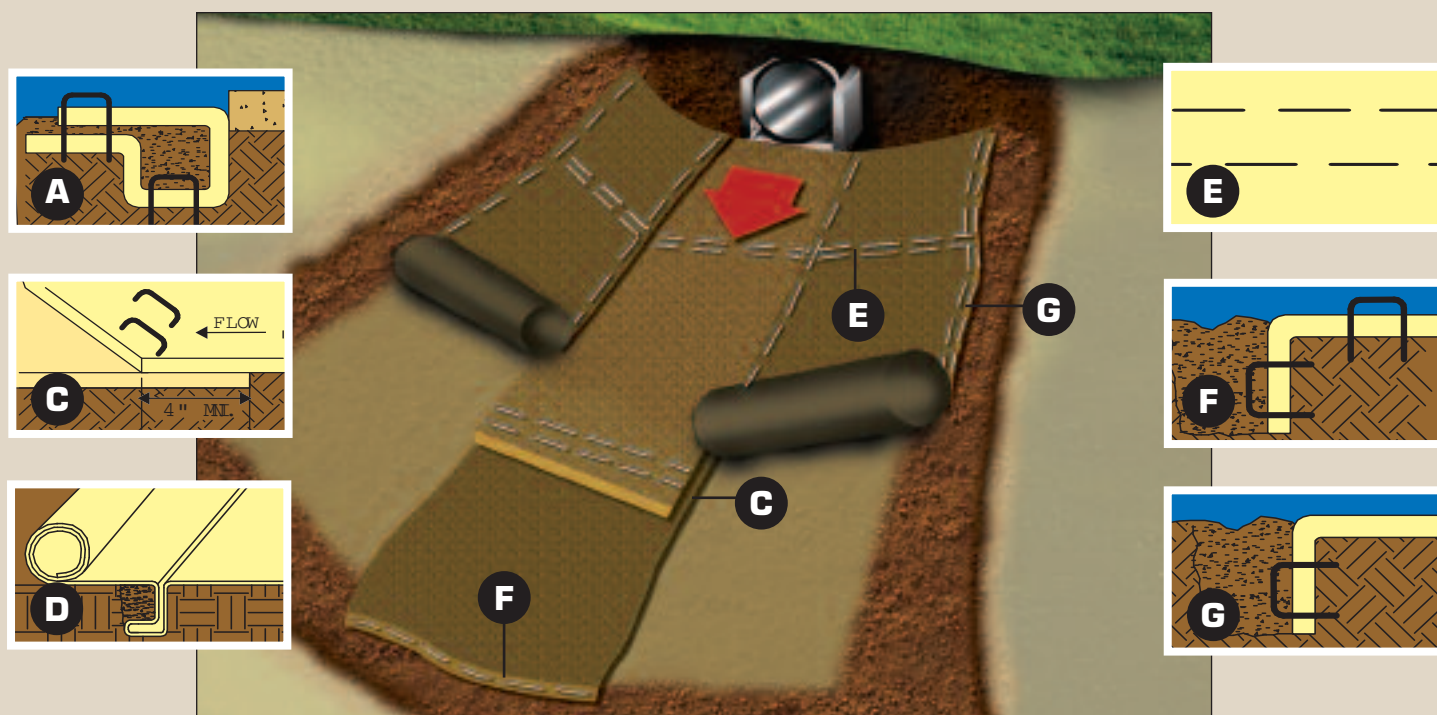
3.8 staples/yd<sup>2</sup>  
HIGH FLOW  
CHANNEL

- 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 vertical blankets can be joined using a minimum 4" overlapping or shingle style in the direction of water flow. Connect the blankets by placing staples approximately 12" apart across the width of the blankets (Diagram C).
- 6 An intermittent check slot is recommended for blankets placed on a long slope. A 6" deep by 6" wide trench is made. Blanket is placed at bottom of trench and covered with approximately 2" of soil. Blanket is rolled over compacted soil and secured with staples placed 12" apart. Backfill and compact the trench. Apply seed, and continue with general installation (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 F).



# Channel Lining Installation Guidelines

- 1** Prepare the soil surface including raking, seeding, and fertilizing.
- 2** Begin the installation process by digging a trench 6" deep by 6" wide at the top of the slope. Place 12" of blanket over the up-slope portion of the 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 remaining 12" over soil, secure with a row of staples placed 12" apart across the width of the blanket (Diagram A).
- 3** Continue placing blankets up the slopes on both sides, with a minimum 4" overlapping, and securing each blanket in the beginning trench. Staples should be placed in a staggered pattern at approximately 12" intervals, refer to sample patterns under Basic Installation Guidelines.
- 4** Additional horizontal blankets can be joined using a minimum 4" overlapping or shingle style in the direction of water flow. Connect the blankets by placing staples approximately 5" apart across the width of the blankets (Diagram E).
- 5** 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 channel. A second row should be placed 4" below in a staggered pattern (Diagram D).
- 6** The end of the blanket must be secured in a 6" x 6" trench by a row of staples placed at 12" intervals (Diagram F).
- 7** At the top edge of the side slope, fasten the blanket in a 6" x 6" trench with staples placed at 12" intervals. Install an additional row of staples 1'-0" down slope of the trench along the width of the fabric (Diagram G).



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