



EASTCOAST
erosion blankets

MATERIAL SPECIFICATION

ECS-1

12-month Straw Single Net Blanket

The erosion control blanket shall be made with uniformly distributed straw and a net cover securely stitched together to create an even mat. The outer ends will be rolled and stitched to create a closed edge. It will have a durability lifespan of approximately 12 months.

The blanket shall be covered on the top with a lightweight photodegradable polypropylene net having an approximate 0.5 x 0.5 mesh size. The straw shall be 100% agricultural. The blanket shall be sewn together with degradable thread. The blanket size will be 7.5 ft x 96 ft (80 yd²). The blanket shall weigh 48 pounds plus or minus 10 percent. Blankets will be shipped in tightly compressed rolls inside polyethylene bags. Each bag will include a product label and installation guide.

MATERIALS:

Fiber: 100% Straw Fiber
0.55 lbs/sq yd

Netting: One side only
Lightweight polypropylene
Photodegradable

Thread: Degradable

PHYSICAL PROPERTIES:

<u>Property</u>	<u>Test Method *</u>	<u>Mean</u>
Thickness	ASTM D 4354	.33 in
Resiliency	ECTC TASC 00197	65.0%
Mass per Unit Area	ASTM D 5261	9.86 oz/sq. yd.
Water Absorption	ASTM D 1117/ECTC TASC 00197	347.0%
Swell	ECTC TASC 00197	41%
Stiffness	ASTM D 1388/ECTC	2.15 oz/in (24,183 mg-cm)
Light Penetration	ECTC TASC 00197	15.0%
MD Tensile	ASTM D 5035/ECTC	142.8 lbs/ft
MD Elongation	ASTM D 5035/ECTC	14.9%
TD Tensile	ASTM D 5035/ECTC	84.0 lbs/ft
TD Elongation	ASTM D 5035/ECTC	19.2%
Ash Content	ASTM D 586	5.83%
Organic Matter	ASTM D 2974	94.17%

FUNCTIONING PROPERTIES:

Permissible Sheer Stress ECTC Test Method #3 1.55 psf

**All figures are based on Bench Scale test methods*