



EASTCOAST
erosion blankets

MATERIAL SPECIFICATION

ECS-2

12-month Straw Double Net Blanket

The erosion control blanket shall be made with uniformly distributed straw and two layers of net covering, which is 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 and bottom 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: Top: Lightweight Photodegradable Polypropylene
Bottom: Lightweight Photodegradable Polypropylene

Thread: Degradable

PHYSICAL PROPERTIES:

<u>Property</u>	<u>Test Method *</u>	<u>Mean</u>
Thickness	ASTM D 4354	.29 in
Resiliency	ECTC TASC 00197	69.0%
Mass per Unit Area	ASTM D 5261	11.95 oz/sq. yd.
Water Absorption	ASTM D 1117/ECTC TASC 00197	338.0%
Swell	ECTC TASC 00197	32%
Stiffness	ASTM D 1388/ECTC	.96 oz/in (10,901 mg-cm)
Light Penetration	ECTC TASC 00197	19.0%
MD Tensile	ASTM D 5035/ECTC	195.6 lbs/ft
MD Elongation	ASTM D 5035/ECTC	19.9%
TD Tensile	ASTM D 5035/ECTC	152.4 lbs/ft
TD Elongation	ASTM D 5035/ECTC	15.9%
Ash Content	ASTM D 586	7.33%
Organic Matter	ASTM D 2974	92.67%

FUNCTIONING PROPERTIES

Permissible Sheer Stress ECTC Test Method #3 2.1 psf

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