



MATERIAL SPECIFICATION

ECC-2

36-month Coconut Double Net Blanket

The extended-term erosion control blanket shall be made with uniformly distributed 100% coconut fiber. It shall have 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 36 months.

The blanket shall be covered on the top and bottom with a heavy weight UV stabilized polypropylene net having an approximate 0.75" x 0.75" mesh size. The blanket shall be sewn together with UV stabilized polypropylene 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% Coconut Fiber 0.55 lbs/sq yd
Netting:	Top: Heavyweight polypropylene UV stabilized Bottom: Heavyweight polypropylene UV stabilized
Thread:	UV stabilized polypropylene

PHYSICAL PROPERTIES:

<u>Property</u>	<u>Test Method *</u>	<u>Mean</u>
Thickness	ASTM D 6525	.23 in
Resiliency	ASTM D 6524	85.0%
Mass per Unit Area	ASTM D 6475	9.52 oz/sq. yd.
Water Absorption	ASTM D 1117/ECTC TASC 00197	233.0%
Swell	ECTC TASC 00197	25%
Light Penetration	ASTM D 6567	8.9%
Organic Matter	ASTM D 2974	95.50%

FUNCTIONING PROPERTIES

Permissible Sheer Stress	ECTC Test Method #3	3.2 psf
--------------------------	---------------------	---------

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