



## Specification Sheet

### EroNet™ C125® Erosion Control Blanket

#### DESCRIPTION

The long-term double net erosion control blanket shall be a machine-produced mat of 100% coconut fiber with a functional longevity of up to 36 months. (NOTE: functional longevity may vary depending upon climatic conditions, soil, geographical location, and elevation). The blanket shall be of consistent thickness with the coconut evenly distributed over the entire area of the mat. The blanket shall be covered on the top and bottom sides with a heavyweight photodegradable polypropylene netting having ultraviolet additives to delay breakdown and an approximate 0.63 x 0.63 in (1.59 x 1.59 cm) mesh. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers with degradable thread. The blanket shall be manufactured with a colored thread stitched along both outer edges (approximately 2-5 inches [5-12.5 cm] from the edge) as an overlap guide for adjacent mats.

The C125 shall meet Type 4 specification requirements established by the Erosion Control Technology Council (ECTC) and Federal Highway Administration's (FHWA) FP-03 Section 713.17

#### Material Content

<b>Matrix</b>	100% Coconut Fiber	0.5 lbs/sq yd (0.27 kg/sm)
<b>Netting</b>	Heavyweight photodegradable with UV additives	3 lbs/1000 sq ft (1.47 g/sm)
<b>Thread</b>	Black polypropylene	

#### Standard Roll Sizes

<b>Width</b>	6.67 (2.03 m)	8 ft (2.44 m)	16 ft (4.87 m)
<b>Length</b>	108 ft (32.92 m)	112 ft (35.14 m)	112 ft (34.14 m)
<b>Weight ± 10%</b>	44 lbs (19.95 kg)	56.25 lbs (25.5 kg)	112.5 lbs (51 kg)
<b>Area</b>	80 sq yd (66.9 sm)	100 sq yd (83.61 sm)	200 sq yd (167.22 sm)



Index Property	Test Method	Typical
<b>Thickness</b>	ASTM D6525	0.22 in. (5.59 mm)
<b>Resiliency</b>	ECTC Guidelines	82%
<b>Water Absorbency</b>	ASTM D1117	167%
<b>Mass/Unit Area</b>	ASTM 6475	7.73 oz/sy (262.8 g/sm)
<b>Swell</b>	ECTC Guidelines	13%
<b>Smolder Resistance</b>	ECTC Guidelines	Yes
<b>Stiffness</b>	ASTM D1388	0.75 oz-in
<b>Light Penetration</b>	ASTM D6567	16.6%
<b>Tensile Strength - MD</b>	ASTM D6818	472.8 lbs/ft (7.01 kN/m)
<b>Elongation - MD</b>	ASTM D6818	25.6%
<b>Tensile Strength - TD</b>	ASTM D6818	225.6 lbs/ft (3.35 kN/m)
<b>Elongation - TD</b>	ASTM D6818	33.9%
<b>Biomass Improvement</b>	ASTM 7322	257%

#### Design Permissible Shear Stress

<b>Unvegetated Shear Stress</b>	2.25 psf (108 Pa)
<b>Unvegetated Velocity</b>	10.0 fps (3.05 m/s)

#### Slope Design Data: C Factors

##### Slope Gradients (S)

Slope Length (L)	≤ 3:1	3:1 - 2:1	≥ 2:1
<b>≤ 20 ft (6 m)</b>	0.001	0.029	0.082
<b>20-50 ft</b>	0.036	0.060	0.096
<b>≥ 50 ft (15.2 m)</b>	0.070	0.090	0.110

#### Roughness Coefficients - Unveg.

Flow Depth	Manning's n
<b>≤ 0.50 ft (0.15 m)</b>	0.022
<b>0.50 - 2.0 ft</b>	0.022-0.014
<b>≥ 2.0 ft (0.60 m)</b>	0.014



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