



## Material Specifications

### WintersCoir™

100% Coconut  
Double Net Blanket



**WintersCoir™** Products are long term, double net erosion control blankets that are machine-assembled using 100% coconut fibers. These fibers are evenly distributed throughout the entire area of the blanket to a rough thickness of 3/8" and stitched to your choice of netting using high strength degradable thread. Biodegradable thread is used on our Bio (Jute) products.

Each blanket is covered on both sides with a single UV stabilized polypropylene or jute net. Net openings are approximately 5/8" wide x 5/8" long and are stitched on 1 1/2" centers for increased performance capabilities.

#### **Netting options:**

Standard: Top & Bottom - UV Stabilized polypropylene black net.

Bio: Top and bottom Biodegradable jute fiber netting.

All WintersCoir™ blankets are individually labeled and shrink-wrapped to protect against the weather and damage.

#### **Materials:**

100% Coconut Fibers  
UV Stabilized Polypropylene or Biodegradable Jute Netting  
Degradable polypropylene or Biodegradable Thread

#### **Roll Sizes:**

<b>Area:</b>	<b>100 yd<sup>2</sup></b>	<b>500 yd<sup>2</sup></b>
Width:	8 feet	8 feet
Length:	112.5 feet	562.5 feet
Weight:	50 lbs	250 lbs

#### **Physical Characteristics:**

Fiber:	100% Coconut Fibers
Unit Weight:	0.50 lb/yd <sup>2</sup> ± 10%
Thread Material:	High Tensile Polypropylene or High Tensile Biodegradable Thread
Thread Pattern:	1.5" wide x 4" long
Netting:	UV Stabilized Polypropylene or Jute Netting
Net Openings:	5/8" wide x 5/8" long
Net Configuration:	Top and Bottom

#### **Performance Characteristics:**

WintersCoir™ blankets are designed to provide long-term ground cover to reduce erosion, protect seeding, enhance germination, and speed re-vegetation. Functional longevity is 36 to 60 months depending on soil conditions, climate, geography, and choice of netting. Testing shows WintersCoir™ and WintersCoir™ Bio blankets are suitable for the following applications:

**Slopes:** up to 1 : 1   **Shear Stress:** up to 2.48 lbs/ft<sup>2</sup>.

**All figures are based on product at the time it is manufactured.**

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# WintersCoir™ ~ Double Net Performance Data Sheet

WintersCoir™ blankets are constructed of 10% coconut fibers stitched between two UV Stabilized polypropylene nets using degradable thread. WintersChoice™ Bio blankets offer two biodegradable Jute nets and high tensile biodegradable thread. Our blankets are designed to protect against erosion by providing long term ground cover while enhancing seed germination and assisting with vegetation establishment.

Functional longevity is up to 36 months depending on product used and site conditions. Soil erosion is controlled by the root system, stem and leaf structure of the mature vegetation after the blankets degrade.

WintersCoir™ Double Net blankets are rated for high-flow channels and up to 2.48 lbs/ft<sup>2</sup> shear stress. WintersCoir blankets are typically appropriate for up to 1:1 slopes.

### Additional Physical Properties as tested and observed:

<u>Property</u>	<u>Test Method</u>	<u>Typical Values*</u>
Mass per Unit Area	ASTM D 6475	10.03 oz/yd <sup>2</sup>
Thickness	ASTM D 6525	0.358 inches
Light Penetration	ASTM D 6567	8.4% %
Water Absorption	ASTM D 1117/ECTC-TASC 00197	304%
Swell	ECTC Guidelines	38%
Resiliency	ASTM D 6524	83%
MD Tensile Strength	ASTM D 4595	205.2 lb/ft
MD Elongation	ASTM D 4595	18%
TD Tensile Strength	ASTM D 4595	198.0 lb/ft
TD Elongation	ASTM D 4595	18%

### ECTC Bench Scale Testing \*\*

<b>Description of Test Method</b>	<b>Test Method</b>	<b>Results</b>
ECTC Method 2 -Determination of un-vegetated RECP ability to protect soil from Rain Splash and associated runoff.	2 in. (50mm)/hr for 30 minutes	Soil Loss Ratio = 22.96
	4 in. (100mm)/hr for 30 minutes	Soil Loss Ratio = 19.17
	6 in. (150mm)/hr for 30 minutes	Soil Loss Ratio = 16.00
ECTC Method 3 - Determination of un-vegetated RECP ability to protect soil from Hydraulically Induced Shear stress.	Shear Loss Curve Intercept	2.48 psf@ 1/2" soil loss
ECTC Method 4 - Determination of Temporary Degradable RECP performance in encouraging seed germination and plant growth	% Improvement/Increased Biomass	486%

\* Index values may vary from measurements taken at the time of manufacturing due to environmental conditions affecting gains or losses in moisture.

\*\* Soil Loss Ratios, as reported by NTPEP = Soil Loss Bare Soil/Soil Loss with RECP (Note: soil loss is based on regression analysis)

