



EROSION CONTROL
TECHNOLOGY COUNCIL
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DIRECTING MEMBER



IECA
International Erosion Control Association
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ETC-100 Erosion Control Blanket

ETC-100 Double Net 100% Coconut Coir Blanket

ETC-100 is a coir fiber matrix that is mechanically bound between two layers of heavy-duty UV-Stabilized Polypropylene Netting. The blanket is mechanically bound (stitched) by parallel stitching with UV-Stabilized High Denier Polypropylene thread. The product is engineered to maintain high tensile strength and elongation properties under saturated/shear stress conditions while continuing to promote accelerated seedling emergence. Functional longevity of ETC-100 is typically 24-36 months, however, actual results may vary depending on climatic and soil conditions.

Part Numbers	ETC-100	ETC-200	ETC-500	ETC-1000
Blanket Size	8 ft x 112.5 ft	16 ft x 112.5 ft	8 ft x 562.5 ft	16 ft x 562.5 ft
Rolls per Pallet	25	25	4	4
Rolls per Truck Load	600	300	96	48
Netting	Double Biaxially Oriented Net - Natural/Biodegradable/Jute			
Opening Size	0.5 in x 0.5 in			
Stitching Thread	Natural/Biodegradable			
Stitching Frequency	2 in			
Fill	100% Coconut Coir			
Packaging	Each Roll is Individually Stretched Wrapped with a Label			

*MARV VALUES			
PROPERTY	TEST METHOD	ENGLISH	METRIC
Physical			
Mass/Unit Area	ASTM D 6566	8.35 oz/yd ²	
Thickness	ASTM 6525	307 mils	
Light Penetration (%Passing)	ASTM D 6567	20%	
Color	Visual	Natural/Tan	
Mechanical			
Tensile Strength	ASTM D 6818	266 X 204 lb/ft	
Elongation	ASTM D 6818	29%(max)	
Resiliency	ASTM D 6524	94%	
Flexibility	ASTM D 6575	No Results	
Endurance			
UV Resistance @ 500 Hours	ASTM D 4355	NA	
Design Performance			
Velocity (Un-Vegetated)	**ASTM 6460	10.7ft/s	
Shear Stress (Un-Vegetated)	**ASTM 6460	2.9lbs/ft	
Maximum C Factor (Un-Vegetated)	**Regression Calculated/ECTC Method #2	.026	
Seedling Emergence	ECTC Test Method #4	422%	
Roll Sizes		8X112.5' / 16'X112.5'	

- Notes:
1. Permissible Velocity and Shear Stress numbers are representative of bench scale testing. Site conditions including site preparation, climatic condition, soil compositions may affect these numbers in the field.
 2. Marv Values Represent the Minimum Average Roll Values from Random Samples taken in accordance with NTPEP and AASHTO Requirements.
 3. Design Performance Criteria for Vegetated Velocity, Shear Stress, and "C Factor" are measured values given the industry standard testing procedures and field performance results for Extended Term RECP's manufactured to FHWA Type IV standards and with similar physical properties. The customer and user of the product should assume ultimate responsibility for determining the suitability of ETC-100 on their projects



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