



PRODUCT DATA SHEET

EROSIONTECH ETC100 100% Coconut Coir Blanket FHWA FP-03 Class IV

ETC100 is a Type 4-Extended Term Erosion Control Blanket. The 100% mattress grade coir fiber matrix is mechanically bound between two layers of heavy-duty UV-Stabilized 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 36 months however actual results may vary depending on climatic and soil conditions.

		*MARV VALUES	
PROPERTY	TEST METHOD	ENGLISH	METRIC
Physical			
Mass/Unit Area	ASTM D 6566	8.35 oz/yd ²	
Thickness	Measured	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%	
Design Performance			
Velocity (Un-Vegetated)	**ASTM 6460	10.7ft/s	
Shear Stress (Un-Vegetated)	**ASTM 6460	2.9lbs/ft	
Maximum C Factor (Unvegetated)	**Regression Calculated/ECTC Method #2	.026	
Seedling Emergence	ECTC Test Method #4	422%	
Roll Sizes		7.5'X120'/15'X120'	

- Notes:
- Property Values have been compiled since 2008 and are subject to change without notice
 - Permissible Velocity and Shear Stress have been obtained through large scale test programs featuring specific soil types, vegetation classes, flow conditions, anchor methods, and failure criteria. These conditions may not be relevant to every project nor can they be replicated by other manufacturers. Please contact your Erosion Tech representative for farther information.
 - Marv Values Represent the Minimum Average Roll Values from Random Samples taken in accordance with NTPEP and AASHTO Requirements.
 - The customer and user of the product should assume ultimate responsibility for determining the suitability of ETC-100 on their projects