

PRODUCT DATA SHEET

EROSIONTECH ETPP-10 TURF REINFORCEMENT MAT
FHWA TYPE 5C



ETPP-10 turf reinforcement mat (TRM) features a dense matrix of aggressively-crimped, interlocking polypropylene fibers that are distributed evenly between two biaxially oriented nets. 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. All of the raw material components in ETPP-10 are stabilized and resistant to chemical and ultraviolet degradation. ETPP10 contains no biodegradable components.

		*MARV VALUES	
PROPERTY	TEST METHOD	ENGLISH	METRIC
Physical			
Mass/Unit Area	ASTM D 6566	10 oz/yd ²	
Thickness	ASTM D 6525	0.474 in	
Light Penetration (%Passing)	ASTM D 6567	22.40%	
Color	Visual	Green or Tan	
Mechanical			
Tensile Strength	ASTM D 6818	424 X 298 lb/ft	
Elongation	ASTM D 6818	26%(max)	
Resiliency	ASTM D 6524	94%	
Flexibility	ASTM D 6575	No Results	
Endurance			
UV Resistance @ 500 Hours	ASTM D 4355	95%	
Design Performance			
Velocity (Vegetated)	ASTM 6460	24ft/s	
Shear Stress (Vegetated)	ASTM 6460	13lb/ft ²	
Mannings "n" (Unvegetated)	ASTM 6460	.03	
"C" Factor	ASTM 6459	.006	
Seedling Emergence	ECTC Test Method #4	474%	
Roll Sizes		7.5'X120'/15'X120'	

- Notes:
- Property Values have been compiled since 2007 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 ASHTO Requirements.
 - Design Performance Criteria for Vegetated Velocity, Shear Stress, and Mannings "N" are measured values from Test Method ASTM 6460. The customer and user of the product should assume ultimate responsibility for determining the suitability of ETPP-10 on their projects.

