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**Material and Performance Specification**

## T-RECS®

### Turf Reinforcement Erosion Control Solution®

The high-performance T-Recs® Turf Reinforcement Mat is a permanent three dimensional, woven polypropylene geotextile designed for steep slopes up to 0.5:1 and is an ideal non-hard armoring solution for high velocity channels.

T-Recs® is manufactured with a patented process of cross directional monofilament fibers woven into multiple dimensions featuring the T-Recs® Technology with dome characteristics. This unique process and feature aids in the performance of the product and gives additional support to the vegetation. The product provides reinforcing capabilities and interlocking root system, while assisting the vegetation establishment. Product can be either surface applied or soiled filled to maximize performance.

The T-Recs® meets Type 5.A, 5.B, 5.C, 5.D, 5.E specification requirements established by the Erosion Control Technology Council (ECTC) and Federal Highway Administration's (FHWA) FP-03 Section 713.18.



#### INDEX VALUE PROPERTIES

PROPERTY	TEST METHOD <sup>2</sup>	ENGLISH	METRIC
<b>Mass Per Unit Area<sup>3</sup></b>	ASTM D 6566	8.50 oz/yd <sup>2</sup>	288.2 g/m <sup>2</sup>
<b>Thickness</b>	ASTM D 6525	.45 inch	11.4 mm
<b>Tensile Strength-MD<sup>3</sup></b>	ASTM D 6818	3000 lb/ft	44 kN/m
<b>Elongation – MD</b>	ASTM D 6818	41%	
<b>Tensile Strength-TD<sup>3</sup></b>	ASTM D 6818	3000 lb/ft	44 kN/m
<b>Elongation-TD</b>	ASTM D 6818	17%	
<b>Light Penetration</b>	ASTM D 6567	34%	
<b>Germination/Seedling Emergence</b>	ECTC Method 4	636% Improvement	
<b>UV Resistance (6,000 hours)</b>	ASTM D4355	91%	
<b>Resiliency</b>	ASTM D 6524	70%	
<b>Flexibility</b>	ASTM D 6575	0.3 in-lb	346,154 mg-cm
<b>Color</b>	Observed	Green/Blue or Tan/Blue	
<b>Roll Size</b>	Measured	12.0 ft x 75.0 ft	3.7 m x 22.9 m

#### PERFORMANCE DESIGN VALUES

PROPERTY	TEST METHOD <sup>1</sup>	ENGLISH <sup>2</sup>	METRIC <sup>2</sup>
<b>Vegetated Shear Stress</b>	ASTM D 6460	15 lb/ft <sup>2</sup>	718 Pa
<b>Vegetated Velocity</b>	ASTM D 6460	25 ft/sec	7.6 m/sec
<b>Manning's N</b>	ASTM D 6460	0.028	

1 Modified Test Method

2 Results obtained by 3<sup>rd</sup> Party GAI Accredited Independent Laboratory

3 Minimum Average Roll Value

*The values presented are for guidance purposes and do not constitute the practice of engineering. East Coast Erosion Blankets LLC (ECEB) ascertains that at the time of manufacture, all information presented herein is accurate and reliable and falls within the ECEB manufacturing product specification variances. If the product does not meet the stated values and ECEB is notified in writing prior to installation, the product will be replaced at no cost to the purchaser. ECEB will not be held liable for any type of damage or losses, directly, or indirectly for fail of this product. Current revision supersedes all previous versions for this product.*