

# US EROSION CONTROL PRODUCTS

## MATERIALS DATA SHEET: US-2P10 Turf Reinforcement Mat (TRM)

**Manufacturer:** US Erosion Control Products, Inc.; an L & M Supply Company – Phone: 800-948-7870

**Description:** US-2P10 starts with 100% green polypropylene fiber that is distributed evenly between 2 black heavy weight UV stabilized nets. These nets are then stitched using black UV stabilized creating one of the highest quality blankets available on the market. The rolls are then tightly shrink wrapped and packaged to handle adverse conditions until they are installed.

US-2P10 has been engineered as a turf reinforcement mat (TRM). Its functional longevity is greater than 36 months (which depends on environmental conditions such as light, wind, water and soil conditions).

**Composition:**

Matrix	Netting	Thread
100% Polypropylene Fiber	Heavy UV Stabilized	Heavy UV Stabilized
.625 lbs/SqYd	.75" x .75" Opening	1.5 inch traverse stitching

UNVEGETATED DESIGN VALUES		Value	Index Values		
Test Property	Test Method	Value	Test Property	Test Method	Value
Max Permissible Shear Stress	2.5 lb/ft <sup>2</sup>		Mass/Unit Area	ASTM 6475	10.0 oz/yd <sup>2</sup>
Max permissible Velocity	7.1 ft/sec		Thickness	ASTM 6525	9.2 mm
Shear relation (.06 lb/ft <sup>2</sup> ) Tau lower	n = 0.035		Tensile Strength-MD	ASTM 6818	21.2 lbs/in
Shear relation (1.2 lb/ft <sup>2</sup> ) Tau middle	n = 0.029		Elongation-MD	ASTM 6818	30.5 %
Shear relation (.06 lb/ft <sup>2</sup> ) Tau upper	n = 0.029		Tensile Strength-TD	ASTM 6818	18.0 lbs/in
			Elongation- TD	ASTM 6818	20.2%
			Light Penetration	ASTM 6567	26%
Vegetated Design Values		Value			
Max Permissible Shear Stress		12.0 lb/ft <sup>2</sup>			
Max Permissible Velocity		15.0 ft/sec			

\*Index values are average values at the time of manufacture and are characteristic of the product. For more information, please contact your nearest US Erosion Control distributor.

### Leader In Erosion Control Products

5227 Springhead Church Rd. · Willacoochee, GA 31650  
Phone: (800)-948-7870 · Fax: (912)-534-6254