



TRX™-130 Turf Reinforcement Mat

Description: The TRX™-130 is made with uniformly distributed 100% green polypropylene fiber and two heavy weight polypropylene nets securely sewn together with UV stabilized thread. The tightly compressed blankets are wrapped and include a product label, code and installation guide. The blankets are palletized for easy transportation.

The TRX™-130 is a permanent turf reinforcement mat and is suitable for slopes 1:1 and high flow channels. The TRX™-130 meets Type 5.A and 5.B specification requirements established by the Erosion Control Technology Council (ECTC) and Federal Highway Administration's (FHWA) FP-03 Section 713.17.

Materials:	Netting - Top and Bottom	Matrix	Thread
	Heavyweight 5# PMSF UV Stabilized Polypropylene .5" x .5" Opening	100% Polypropylene Fiber 0.75 lbs/sq yd 406.9 g/m ²	UV Stabilized 1.50" stitch spacing

Roll Sizes:	Standards	Mega
Width:	7.5 ft (2.3 m)	15.0 ft (4.6 m)
Length:	96.0 ft (29.3 m)	96.0 ft (29.3 m)
Weight $\pm 10\%$:	65.0 lbs (29.5 kg)	130.0 lbs (58.9 kg)
Area:	80 yd ² (66.9 m ²)	160 yd ² (133.8 m ²)
#/Pallet:	16	16

Also available in 120 ft

Index Value Properties*:

Property	Test Method	Typical
Mass/Unit Area	ASTM D6475	13 oz/yd ² (440.8 g/m ²)
Thickness	ASTM D6525	.40 In (10.2 mm)
Tensile Strength-MD	ASTM D6818	404 lb/ft (5.9 Kn/m)
Elongation-MD	ASTM D6818	21.5 %
Tensile Strength-TD	ASTM D6818	415 lb/ft (6.1 Kn/m)
Elongation-TD	ASTM D6818	22 %
Light Penetration	ASTM D6567	15 %
Density	ASTM D7912	.915 %
UV Resistance	ASTM D4355-1000 hr	82 %

* May differ depending upon raw material variations

Bench-Scale Testing* (NTPEP):

Test Method	Parameters	Results
ECTC Method 2 Rainfall	50mm (2in) / hr-30 min	SLR**=6.16
	100mm (4in) / hr-30 min	SLR**=6.41
	150mm (6in) / hr-30 min	SLR**=6.66
ECTC Method 3 Shear Resistance	Shear at .50 in soil loss	3.06 lb/ft
ECTC Method 4 Germination	Top soil; Fescue; 21 day incubation	589% improvement

*Bench scale tests should not be used for design purposes.
**Soil Loss Ratio=Soil Loss Bare Soil/Soil Loss with RECP=1/C-Factor (soil loss is based on regression analysis).

Unvegetated Design Values:

Property	Test Method	Value
Manning's N	Calculated	.027
RUSLE C-Factor	ASTM D6459	.012
Maximum Permissible Shear Stress	ASTM D6460	2.25 psf (108 Pa)
Maximum Flow Velocity	ASTM D6460	9.1 ft/sec (2.77 m/sec)

*Large-Scale Results obtained by 3rd Party GAI Accredited Independent Laboratory

Proud Member of:



Seller makes no warranty, expressed or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specification stated herein. Any implied warranty of fitness for a particular purpose is expressly excluded, and, to the extent that it is contrary to the foregoing sentence, any implied warranty of merchantability is expressly excluded. Any recommendations made by seller concerning the uses or applications of said product are believed reliable and seller makes no warranty of results to be obtained. If the product does not meet Carthage Mills current published specifications, and the customer gives notice to Carthage Mills before installing the product, then Carthage Mills will replace the product without charge or refund the purchase price.