

TURF REINFORCEMENT MATS

FEATURING TENAX MULTIMAT TRM 100

TENAX MULTIMAT TRM 100 is a polypropylene erosion control geomats, designed for protection and growing of grass on slopes subject to surface erosion. TENAX MULTIMAT TRM 100 is three dimensional mat composed by extruded and bioriented polypropylene grids, laid one upon each other and tied up by means of black polypropylene yarn. The three dimensional structure of the mat shelters the layer of top soil and anchors the growing roots of the planted seeds to obtain one block very resistant to the rain drop run off and soil movement. TENAX MULTIMAT TRM 100 can be easily installed.

TYPICAL APPLICATIONS

~ Roadway Ditches ~ Slope Protection ~ Storm and Irrigation Channels ~ Shorelines ~ Landfill covers

MECHANICAL PROPERTIES	TEST METHOD	UNITS	TYPICAL ROLL VALUE	
			MD	CD
Tensile Strength	ASTM D 4595	kN/m (lbs/ft)	10 (685)	15 (1027)
Thickness	ASTM D 5199	mm (in)	17 (0.67)	
Mass/ Unit Area	ASTM D 5261	g/m ² (oz/yd ²)	320 (9.4)	
U.V Stability	ASTM D 4355	% strength retained	90	

PERFORMANCE PROPERTIES	TEST METHOD	UNITS	TYPICAL ROLL VALUE
Permissible Velocity			
Product Only	Flume test ¹	m/s (ft/s)	4.0 (13)
30 minute, vegetated	Flume test ¹	m/s (ft/s)	5.5 (18)
60 minute, vegetated	Flume test ¹	m/s (ft/s)	3.35 (11)
Permissible Shear Stress			
Product Only	Flume test ¹	kN/m ² (lbs/ft ²)	0.29 (6)
30 minute, vegetated	Flume test ¹	kN/m ² (lbs/ft ²)	0.475 (10)
60 minute, vegetated	Flume test ¹	kN/m ² (lbs/ft ²)	0.29 (6)

PACKAGING DATA PROPERTIES	UNITS	NOMINAL VALUE
Roll Dimensions (width x length)	m (ft)	2.2 x 30.5 (7.2 x 100)
Roll Area	m ² (yd ²)	67 (80)
Estimated roll diameter	cm (in)	78 (30.5)
Estimated roll weight	kg (lb)	24 (53)

NOTES:

1. Flume test performed at an independent laboratory-data and details available upon request.
2. Multimatt TRM 100 meets requirements of FHWA FP-03 TRM categories Types 5.A, B, and C.

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Manufactured by Tenax Corporation, 4800 E. Monument Street, Baltimore, MD 21205; represented exclusively in the Americas by Syntec, LLC



4800 Pulaski Highway, Baltimore, MD 21224, USA
 Phone 410.327.1070 800.874.7437
 Fax 410.327.1078
www.synteccorp.com