TE-S32 BD

EROSION CONTROL BLANKET

TITAN
BUILD YOUR LEGEND

TE-S32 BD is a short-term 100% biodegradable double net straw fiber erosion control blanket designed for use on moderate slope and channel applications requiring erosion control for up to 12 months depending on moisture, light, and environmental conditions. The blanket is sewn together on 1.5-inch (38.1 mm) centers. TE-S32 BD meets all requirements established in the FHWA FP-03 as a Type 2D erosion control blanket for use on slopes with gradients not exceeding 2:1 (h:v) and has been tested by the National Transportation Product Evaluation Program (NTPEP). TE-S32 BD comes packaged in clear shrink-wrap with a brown band and includes installation instructions.

Product Nomenclature & Properties

S = 100% agricultural straw fiber matrix
3 = straw fiber matrix applied at a rate of 0.5 lbs/yd² (270 g/m²)
2 = top and bottom leno woven biodegradable nets with a mesh size of 0.5 x 1.0 in (1.3 x 2.54 cm)
BD = 100% biodegradable net, thread, and matrix to ensure consistent functional longevity

TESTED PROPERTY	TEST METHOD	UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)
Mass Per Unit Area	ASTM D 6475	oz/yd²	9.93
Tensile Strength	ASTM D 6818	lbs/in @ %	21.7 @ 14.5 MD 16.8 @ 23.9 TD
Thickness	ASTM D 6525	in	0.422
Light Penetration / Ground Cover	ASTM D 6567	% / %	11.5 / 885
Water Absorption	ASTM D1117 & ECTCTASC 00197	%	416
Unvegetated Bench-Scale Rain Splash & Runoff (not to be used as a design value)	ASTM D 7101	l/sec	Soil Loss Ratio* = 11.30 Soil Loss Ratio* = 11.79 Soil Loss Ratio* = 12.30
Unvegetated Bench-Scale Shear Stress (not to be used as a design value)	ASTM D 7207	lbs/ft² @ ½ in soil loss	1.72
Seed Germination & Plant Growth Under Bench-Scale Conditions	ASTM D 7322	% Improvement (Increased biomass)	667
TYPICAL ROLL DIMENSIONS			
Roll Dimensions		ft (m)	8 (2.44) x 112.5 (34.3) 16 (4.88) x 112.5 (34.3
Roll Area		yd² (m²)	100 (83.61) 200 (167.23)
Roll Weight ± 10%		lbs (kg)	68 (30.8) 136 (61.6)

NOTES: *Soil Loss Ratio = Soil Loss Bare Soil / Soil Loss with RECP = 1 / C-Factor (Note: Soil loss is based on regression analysis)

Design Values

- "C" factor = 0.03
- Maximum Permissible Shear Stress = 1.75 lbs/ft² (84 Pa)
- Maximum Permissible Velocity = 6 ft/sec (1.83 m/s)
- Manning's "n" = 0.03

Titan Environmental Containment

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