TE-C32 BD

EROSION CONTROL BLANKET

TE-C32 BD is a long-term 100% biodegradable double net 100% coconut fiber erosion control blanket designed for use on the extreme slope and channel applications requiring erosion control for up to 36 months depending on moisture, light, and environmental conditions. The blanket is sewn together on 1.5-inch (38.1 mm) centers. TE-C32 BD meets all requirements established in the FHWA FP-03 as a Type 4 erosion control blanket for use on slopes with gradients not exceeding 1:1 (h:v) and has been tested by the National Transportation Product Evaluation Program (NTPEP). TE-C32 BD comes packaged in clear shrink-wrap with a purple band and includes installation instructions.

Product Nomenclature & Properties

- **C** = 100% coconut fiber matrix
- **3** = coconut fiber matrix applied at a rate of 0.5 lbs/yd^2 (270 g/m^2)
- **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 D6475	oz/yd^2	9.19
Tensile Strength	ASTM D6818	lbs/in @ %	19.9 @ 9.6 MD 11.9 @ 15.3 TD
Thickness	ASTM D6525	in	0.261
Light Penetration / Ground Cover	ASTM D6567	% / %	12.7 / 87.3
Water Absorption	ASTM D1117 & ECTCTASC 00197	%	271
Unvegetated Bench-Scale Rain Splash and Runoff (not to be used as a design value)	ASTM D7101		Soil Loss Ratio* = 13.56 Soil Loss Ratio* = 15.10 Soil Loss Ratio* = 16.82
Unvegetated Bench-Scale Shear Stress (not to be used as a design value)	ASTM D7207	lbs/ft^2 @ ½ in. soil loss	2.90
Seed Germination and Plant Growth Under Bench-Scale Conditions	ASTM D7322	% Improvement (increased biomass)	412
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		yd^2 (m^2)	100 (83.61) 200 (167.2)
Roll Weight ± 10%		lbs (kg)	68 (30.8) 136 (61.6)

*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 = 0.002
- Maximum Permissible Shear Stress = 2.25 lbs/ft^2 (108 Pa)
- Maximum Permissible Velocity = 10 ft/sec (3.05 m/s)
- Manning's "n" = 0.03

This data is provided for informational purposes only. Titan makes no warranties as to the suitability or the fitness for a specific use or merchantability of the products referred to, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability from resulting loss or damage. This information is subject to change without notice, please check with us for current updates.