



## TE-C32

# EROSION CONTROL BLANKET

The Titan Environmental Containment's Erosion Control Blanket **TE-C32** is a long-term double net 100% coconut fiber erosion control blanket designed for use on 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. The **TE-C32** 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). The **TE-C32** comes packaged in clear shrink-wrap with a blue 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<sup>2</sup> (270 g/m<sup>2</sup>)
- 2** = top & bottom stabilized photodegradable black net with a mesh size of 0.626 x 0.626 in (1.59 x 1.59 cm)  
= UV stabilized photodegradable thread to ensure consistent functional longevity

### Index & Bench Scale Testing

Test Description	Test Method	Test Results
Mass per Unit Area	ASTM D6475	7.31 oz/yd <sup>2</sup>
Tensile Strength	ASTM D6818	24.0 lbs/in @ 22.1% MD 17.3 lbs/in @ 35.3% TD
Thickness	ASTM D6525	0.268 in
Light Penetration / Ground Cover	ASTM D6567	24.4% / 75.6%
Water Absorption	ASTM D 1117 & ECTCTASC 00197	186.73%
Unvegetated Bench-Scale Rain Splash and Runoff (not to be used as a design value)	ASTM D7101	Soil Loss Ratio* = 9.26 Soil Loss Ratio*=11.06 Soil Loss Ratio*=13.23
Unvegetated Bench-Scale Shear Stress (not to be used as a design value)	ASTM D7207	2.75 lbs/ft <sup>2</sup> @ ½ in. soil loss
Seed Germination and Plant Growth Under Bench-Scale Conditions	ASTM D7322	266% Improvement (increased biomass)

\*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<sup>2</sup> (108 Pa)
- Maximum Permissible Velocity = 10 ft/sec (3.05 m/s)
- Manning's "n" = 0.03

### Standard Roll Details

Width	2.44m (8ft)	4.88m (16ft)
Standard Length	41.1m (135ft)	41.1m (135ft)
Area	101.7m <sup>2</sup> (120yd <sup>2</sup> )	203.4m <sup>2</sup> (240yd <sup>2</sup> )
Weight ±10%	30kg (67lb)	60kg (134lb)

### Titan Environmental Containment Ltd.

777 Quest Blvd • Ile des Chenes, Manitoba • R0A0T0 • CANADA  
Phone: +1.204.878.3955 Fax: +1.204.878.3980 Toll Free: +1.866.327.1957