



EROSION CONTROL
TECHNOLOGY COUNCIL
EST. 1978
DIRECTING MEMBER



International Erosion Control Association
EMERALD MEMBER



ETSC-7030-BN Erosion Control Blanket

ETSC-7030 Double Biodegradable Net Straw/Coir Blanket

A blanket featuring 70% straw and 30% Coir fill with a typical functional longevity of 24 months but will differ with soil and climate conditions. This product meets all FHWA FP-03 requirements for a Type 3.B erosion control blanket.

Part Numbers	ETSC-7030-BN-100	ETSC-7030-BN-200	ETSC-7030-BN-500	ETSC-7030-BN-1000
Blanket Size	8 ft x 112.5 ft	16 ft x 112.5 ft	8 ft x 562.5 ft	16 ft x 562.5 ft
Rolls per Pallet	20	20	4	4
Rolls per Truck Load	480	240	96	48
Netting	Top Net – Natural/Biodegradable Bottom Net – Natural/Biodegradable			
Opening Size	3/8 in opening both nets			
Stitching Thread	Natural/Biodegradable			
Stitching Frequency	2 in			
Fill	70% Straw 30% Coir			
Packaging	Each Roll is Individually Stretched Wrapped with a Label			

INDEX TESTING	TEST METHOD	UNIT	ENGLISH
Mass per Unit Area	ASTM D 6475	oz / sq yd	7.56
Thickness	ASTM D 6525	mils	195
Tensile Strength	ASTM D 6818	lb/in	23.9 x 17.7
Ground Cover / Light Penetration	ASTM D 6567	%	86/ 14
Water Absorption	ASTM D 1117	% wt Change	443

BENCH-SCALE TESTING	TEST METHOD	Parameter	ENGLISH
Determination of Unvegetated RECP Ability to Protect Soil from Rain Splash and Associated Runoff Under Bench-Scale Conditions	ASTM D 7101	50 mm (2 in.) / hr for 30 min.	Soil Loss Ratio = 14.04
		100 mm (4 in.) / hr for 30 min.	Soil Loss Ratio = 14.13
		150 mm (6 in.) / hr for 30 min.	Soil Loss Ratio = 14.21
Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically Induced Shear Stresses Under Bench-Scale Conditions	ASTM D 7207	Shear: 1.38 psf for 30 min.	Soil Loss = 186.7 g
		Shear: 1.99 psf for 30 min.	Soil Loss = 391.7 g
		Shear: 2.61 psf for 30 min.	Soil Loss = 995.0 g
Determination of Temporary Degradable RECP Performance in Encouraging Seed Germination and Plant Growth	ASTM D 7322	Soil loss curve intercept =	2.05 psf @ 1/2-in soil loss
		Topsoil; Fescue (Kentucky 31); 21-day incubation; 27±2° & approximately 45±5% RH	% of Control = 510% (increased biomass)

LARGE-SCALE TESTING	TEST METHOD	UNIT	ENGLISH
Slope Erosion (Unvegetated) *Calculated	ASTM D 6459	C Factor	0.019
Channel Erosion *Calculated	ASTM D 6460	lb/ft^2	2.2

Notes:

1. Soil Loss Ratio = Soil Loss Bare Soil / Soil Loss with RECP = 1 / C-Factor (Note: soil loss is based on regression analysis).
2. Permissible Velocity and Shear Stress have been obtained through large scale test programs featuring specific soil types, vegetation classes, flow conditions, anchor methods, and failure criteria. These conditions may not be relevant to every project nor can they be replicated by other manufacturers. Please contact your Erosion Tech rep for more information.
3. Design Performance Criteria for Vegetated Velocity and Shear Stress are estimated values given the typical industry results for RECP's manufactured to FHWA FP-03 Type 3.B standards and with similar physical properties. The Designing Engineer is responsible for determining the suitability of this product on projects.

