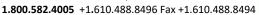


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Material and Performance Specification

ECC-3™ Coconut Turf Reinforcement Mat

Description:

The ECC-3™ is made with uniformly distributed 100% coconut fiber and three polypropylene nets securely sewn together with UV stabilized thread. The tightly compressed blankets are wrapped and include a product label, code and installation guide. The blankets are palletized for easy transportation. The ECC-3™ is a permanent turf reinforcement mat and is suitable for 1:1 slopes and high-flow channels.

Matrix:	1 100% Coconut			2			
				N/A			
Netting:	Туре				Net Co	olor	
Тор:	Medium weight 8# PMSF UV Stabilized Polypropylene		lypropylene		Blac	Black	
Middle:	Heavyweight 24# PMS	F UV Stabilized Poly	propylene				
Bottom:	Medium weight 8# PM	ISF UV Stabilized Po	lypropylene				
Net Opening:	Тор			Middle	Botto	Bottom	
	0.5" x 0.5"		(.4" x 0.5"	0.5" x (0.5" x 0.5"	
Thread:	Туре			Color			
	UV Stabili	zed Thread					
Roll Sizes:	St	andard		'A" Size	Meg	a	
Width:	8 ft	2.4 m	4	ft 1.2 m	16 ft	4.9 m	
Length:	112.5 ft	34.3 m	225	ft 68.6 m	112.5 ft	34.3 m	
Weight:*	92 lbs	41.7 kg	92	bs 41.7 kg	184 lbs	83.5 kg	
Area:	100 yd ²	83.6 m ²	100	yd² 83.6 m²	200 yd ² :	167.2 m²	
#/Pallet:	: 9			4	9	9	

^{*}Weight at time of manufacturing within specified tolerances.

Index Value Properties*:							
Property	Test Method	Typical					
Mass/Unit Area	ASTM D6566	13.25 oz/yd²	449.2 g/m2				
Thickness	ASTM D6525	0.34 in	8.64 mm				
Tensile Strength-MD	ASTM D6818	802 lb/ft	11.70 kN/m				
Elongation-MD	ASTM D6818	25 %					
Tensile Strength-TD	ASTM D6818	643 lb/ft	9.38 kN/m				
Elongation-TD	ASTM D6818	15.7 %					
Light Penetration	ASTM D6567	14 %					
Density / Specific Gravity	ASTM D792	0.888 g/cm^3					
Water Absorption	ASTM D1117	113 %					
Resiliency	ASTM D6524	N/A %					
UV Resistance	ASTM D4355	98 %	1000 hours				

^{*}May differ depending upon raw material variations

pe Performance De	esign Values*:			
Property	Test Method		Value 0.00	
C-Factors	ASTM D			
Slope Length (L)	≤ 3:1	3:1-2:1	≥ 2:1	
< 50 ft (15 m)	0.001	0.007	0.047	
50 ft – 100 ft	0.008	0.015	0.069	
>100 ft (30 m)	0.027	0.050	0.089	

^{*}Large-Scale Results obtained by 3rd Party GAI Accredited Independent Laboratory

Test Method	Parameters	Results	
	50mm (2in) / hr-30 min	SLR**=7.70	
ECTC Method 2 Rainfall	100mm (4in) / hr-30 min	SLR**=10.43	
	150mm (6in) / hr-30 min	SLR**=14.18	
ECTC Method 3 Shear Resistance	Shear at .50 in soil loss	3.13 lb/ft ²	
ECTC Method 4 Germination To	p soil; Fescue; 21 day incub	ation 364 %	

^{**}Soil Loss Ratio=Soil Loss Bare Soil/Soil Loss with RECP=1/C-Factor

^{***}The preceding test data excerpts were reproduced with the permission of AASHTO, however, this does not constitute endorsement or approval of the product, material or device by AASHTO

Channel Performance Design Values*:						
Property	Test Method	Value				
Unvegetated Shear Stress	ASTM D 6460	3.20	lbs/ft ²	153.22	Pa	
Unvegetated Velocity	ASTM D 6460	11.5	ft/s	3.51	m/s	
Vegetated Shear Stress	ASTM D 6460	12.0	lbs/ft ²	574.56	Pa	
Vegetated Velocity	ASTM D 6460	25.0	ft/s	7.62	m/s	
Manning's N (Value Represents a Range)			0.01	24	- 10	

^{*}Large-Scale Results obtained by 3rd Party GAI Accredited Independent

The values presented are for guidance purposes and do not constitute the practice of engineering. East Coast Erosion Blankets LLC (ECEB) ascertains that at the time of manufacture, all information presented herein is accurate and reliable and falls within the ECEB manufacturing product specification variances. If the product does not meet the stated values and ECEB is notified in writing prior to installation, the product will be replaced at no cost to the purchaser. ECEB will not be held liable for any type of damage or losses, directly or indirectly for failure of this product. Current revision supersedes all previous versions for this product.

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