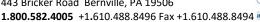


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Material and Performance Specification

ECC-2™ Double Net Coconut Rolled Erosion Control Product

Description:

Matrix:

The ECC-2™ is made with uniformly distributed 100% coconut fiber and two 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-2™ has functional longevity of approximately 36 months, but will vary depending on soil and climatic conditions, and is suitable for slopes 1:1 and medium to high flow channels. The ECC-2™ meets Type 4 specification requirements established by the Erosion Control Technology Council (ECTC) and Federal Highway Administration's (FHWA) FP-03 Section 713.17.

	100%	6 Coconut					
Netting:	Туре			Net (Net Color		
Тор:	Medium weight UV Stabilized Polypropylene		lene		Bla	Black	
Middle:	dle: None						
Bottom:	Medium weight UV Sta	bilized Polypropy	lene				
Net Opening:	Тор		Mic	Middle		Bottom	
	0.75" x 0.75"				0.75" >	c 0.75"	
Thread:	Туре		Co	lor			
	UV Stabilized Thread		Bla	Black			
Roll Sizes:	Sta	andard	"A"	Size	Me	ga	
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*:	57 lbs	25.9 kg	57 lbs	25.9 kg	114 lbs	51.7 kg	
Area:	100 vd ²	83.6 m ²	100 vd ²	83.6 m ²	200 vd ²	167.2 m ²	

^{*}Weight at time of manufacturing.

#/Pallet:

Property	Test Method	1	Typical		
Mass/Unit Area	ASTM D6475	8.30 oz/yd ²	281.4 g/m2		
Thickness	ASTM D6525	0.26 in	6.60 mm		
Tensile Strength-MD	ASTM D6818	260 lb/ft	3.79 kN/m		
Elongation-MD	ASTM D6818	20 %			
Tensile Strength-TD	ASTM D6818	175 lb/ft	2.55 kN/m		
Elongation-TD	ASTM D6818	20.0 %			
Light Penetration	ASTM D6567	16 %			
Density / Specific Gravity	ASTM D792	N/A g/cm ³			
Water Absorption	ASTM D1117	199 %			

^{*}May differ depending upon raw material variations

Slope Performance De	esign Values*:			
Property	Test Me	thod	Value	
C-Factors	ASTM D	6459	0.01	
Slope Length (L)	≤ 3:1	3:1-2:1	≥ 2:1	
< 50 ft (15 m)	0.010	0.023	0.072	
50 ft – 100 ft	0.030	0.054	0.090	
>100 ft (30 m)	0.064	0.084	0.104	

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

Bench-Scale Testing* (NTPEP	e Testing* (NTPEP***):			
Test Method	Parameters	Results		
	50mm (2in) / hr-30 min	SLR**=8.45		
ECTC Method 2 Rainfall	100mm (4in) / hr-30 min	SLR**=10.43		
	150mm (6in) / hr-30 min	SLR**=12.90		
ECTC Method 3 Shear Resistance	Shear at .50 in soil loss	2.59 lb/ft ²		
ECTC Method 4 Germination To	op soil; Fescue; 21 day incub	ation 772 %		
*Bench scale tests should not be	used for design purposes.			

^{**}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

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Channel Performance D	esign Values*:				
Property	Test Method		Val	ue	
Unvegetated Shear Stress	ASTM D 6460	2.50	lbs/ft ²	119.70	Pa
Unvegetated Velocity	ASTM D 6460	10.0	ft/s	3.05	m/s
Vegetated Shear Stress	NA	N/A	lbs/ft ²	N/A	Pa
Vegetated Velocity	NA	N/A	ft/s	N/A	m/s
Manning's N (Value Represe	ents a Range)		0.03	25	

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

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

Revised 1/11/2016