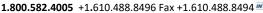


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Material and Performance Specification

ECX-2™ Double Net Excelsior Rolled Erosion Control Product

Description:

The ECX-2™ is made with uniformly distributed 100% Aspen wood excelsior and two polypropylene nets securely sewn together with degradable thread. The tightly compressed blankets are wrapped and include a product label, code and installation guide. The blankets are palletized for easy transportation.

The ECX-2™ has functional longevity of approximately 24 months, but will vary depending on soil and climatic conditions, and is suitable for slopes 2:1 to 1.5:1 and medium to high flow channels The ECX-2™ meets Type 3.B specification requirements established by the Erosion Control Technology Council (ECTC) and Federal Highway Administration's (FHWA) FP-03 Section 713.17.

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	Aspen Wood Excelsior			N/A			
Netting:	Туре				Net (Net Color	
Top: Light	tweight Photodegrada	ible Polypropylene			Gre	een	
Middle: Non	e						
Bottom: Light	tweight Photodegrada	ible Polypropylene					
Net Opening:	Top 0.5" x 0.5"			Middle N/A		Bottom 0.5" x 0.5"	
Thread:	Туре			Color			
	Degradable Thread			White			
Roll Sizes:	Stand	lard	•	'A" Size	Me	ega	
Width:	8 ft	2.4 m	4 1	t 1.2 m	16 ft	4.9 m	
Length:	112.5 ft 3	4.3 m	225 1	t 68.6 m	112.5 ft	34.3 m	
Weight*:	64 lbs 2	9.0 kg	64 I	bs 29.0 kg	128 lbs	58.1 kg	
Area:	100 yd² 8	3.6 m ²	100	/d² 83.6 m²	200 yd²	167.2 m ²	
#/Pallet:	20			g		0	

^{*}Weight at time of manufacturing.

Index Value Properties*:					
Property	Test Method	Typical			
Mass/Unit Area	ASTM D6475	9.00 oz/yd²	305.1 g/m2		
Thickness	ASTM D6525	0.38 in	9.65 mm		
Tensile Strength-MD	ASTM D6818	169 lb/ft	2.47 kN/m		
Elongation-MD	ASTM D6818	23 %			
Tensile Strength-TD	ASTM D6818	86 lb/ft	1.26 kN/m		
Elongation-TD	ASTM D6818	26.0 %			
Light Penetration	ASTM D6567	36 %			
Density / Specific Gravity	ASTM D792	N/A g/cm ³			
Water Absorption	ASTM D1117	171 %			

^{*}May differ depending upon raw material variations

Slope Performance De	esign Values*:			
Property	Test Me	Value 0.04		
C-Factors	ASTM D			
Slope Length (L)	≤ 3:1	3:1-2:1	≥ 2:1	
< 50 ft (15 m)	0.035	0.144	0.272	
50 ft – 100 ft	0.100	0.172	0.377	
>100 ft (30 m)	0.210	0.317	0.541	

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

Parameters	Results
50mm (2in) / hr-30 min	SLR**=6.69
100mm (4in) / hr-30 min	SLR**=5.18
150mm (6in) / hr-30 min	SLR**=3.99
Shear at .50 in soil loss	2.24 lb/ft ²
p soil; Fescue; 21 day incub	ation 530 %
used for design purposes.	
	100mm (4in) / hr-30 min

^{**}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	2.13	lbs/ft ²	101.98	Pa
Unvegetated Velocity	ASTM D 6460	10.7	ft/s	3.26	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 Represents a Range)			0.02	26	

^{*}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 1/1/20177