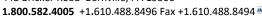


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Material and Performance Specification

ECX-1[™] Single Net Excelsior Rolled Erosion Control Product

Description:

Matrix:

The ECX-1™ is made with uniformly distributed 100% Aspen wood excelsior and one polypropylene net 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-1[™] has functional longevity of approximately 12 months, but will vary depending on soil and climatic conditions, and is suitable for slopes 2:1 to 3:1 and low to medium flow channels. The ECX-1[™] meets Type 2.C specification requirements established by the Erosion Control Technology Council (ECTC) and Federal Highway Administration's (FHWA) FP-03 Section 713.17.

	Aspen Wood Excelsior	N/A		
Netting:	Туре		Net Color	
Top: Light	weight Photodegradable Polypropylene		Green	
Middle: None	e			
Bottom: None	e			
Net Opening:	Тор	Middle	Bottom	
	0.5" x 0.5"	N/A	N/A	
Thread:	Туре	Color		
	Degradable Thread	White		
Roll Sizes:	Standard	"A" Size	Mega	
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*:	62 lbs 28.1 kg	62 lbs 28.1 kg	124 lbs 56.2 kg	

100 yd2 83.6 m2

9

Area:

#/Pallet:

Property	Test Method	•	Typical			
Mass/Unit Area	ASTM D6475	8.80 oz/yd ²	298.4 g/m2			
Thickness	ASTM D6525	0.38 in	9.65 mm			
Tensile Strength-MD	ASTM D6818	122 lb/ft	1.78 kN/m			
Elongation-MD	ASTM D6818	33 %				
Tensile Strength-TD	ASTM D6818	86 lb/ft	1.26 kN/m			
Elongation-TD	ASTM D6818	33.0 %				
Light Penetration	ASTM D6567	36 %				
Density / Specific Gravity	ASTM D792	N/A g/cm ³				
Water Absorption	ASTM D1117	184 %				

83.6 m²

20

100 yd2

^{*}May differ depending upon raw material variations

Slope Performance De	esign Values*:					
Property	Test Method ASTM D6459		erty Test Method		Value	
C-Factors			0.03			
Slope Length (L)	≤ 3:1	3:1-2:1	≥ 2:1			
< 50 ft (15 m)	0.034	0.180	N/A			
50 ft – 100 ft	0.104	0.202	N/A			
>100 ft (30 m)	0.208	0.319	N/A			

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

Parameters	Results	
50mm (2in) / hr-30 min	SLR**=3.98	
100mm (4in) / hr-30 min	SLR**=3.64	
150mm (6in) / hr-30 min	SLR**=3.33	
Shear at .50 in soil loss	1.72 lb/ft ²	
p soil; Fescue; 21 day incub	ation 519 %	
used for design purposes.		
	100mm (4in) / hr-30 min 150mm (6in) / hr-30 min Shear at .50 in soil loss p soil; Fescue; 21 day incub	

200 yd² 167.2 m²

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^{***}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	1.78	lbs/ft ²	85.23	Pa	
Unvegetated Velocity	ASTM D 6460	8.5	ft/s	2.59	m/s	
Vegetated Shear Stress	NA	N/A	lbs/ft²	N/A	Pa	
Vegetated Velocity	NA	N/A	ft/s	N/A	m/s	
Manning's N (Value Represents a Range)			0.028			

^{*}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

^{*}Weight at time of manufacturing.

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