

ECP-2 10 oz.™ Polypropylene Turf Reinforcement Mat

Description:

The ECP-2 10 oz™ is made with uniformly distributed 100% polypropylene fiber and two medium weight 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 ECP-2 10 oz™ is a permanent turf reinforcement mat and is suitable for 1:1 slopes and high-flow channels. The ECP-2 10 oz™ meets Type 5.A, 5.B specification requirements established by the Erosion Control Technology Council (ECTC) and Federal Highway Administration's (FHWA) FP-03 Section 713.18.

Matrix:		1		J	2	Etama Mala	A. A		4	F. E
	Green or Tan P	olypropylene Fiber								
Netting:		Гуре						Vet	Color	
Top: Med	ium weight 5# PM	SF UV Stabilized Po	lypropylene					Bl	ack	
Middle: None	e									
THE RESIDENCE OF THE PARTY OF T	ium weight 5# PM	SF UV Stabilized Po	lypropylene					-		
Net Opening:	Top Miles agent and the		est Production	Middle				Bottom		
	0.5	" x 0.5"						0.5"	x 0.5"	
Thread:		Туре		Co	lor				13.	
	UV Stabilia	red Thread		Bl	ack					
Roll Sizes:	St	andard	State we make the	"A"	Size			M	ega	
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
Area:	100 yd²	83.6 m²	100	yd²	83.6	m²	200	yd²	167.2	m²
#/Pallet:		16			9			1	16	
*Weight at time of ma	anufacturing within	n specified toleranc	es.							

Property	Test Method	Typical			
Mass/Unit Area	ASTM D6566	10.00	oz/yd²	339.1	g/m2
Thickness	ASTM D6525	0.40	in	10.16	mm
Tensile Strength-MD	ASTM D6818	370	lb/ft	5.40	kN/m
Elongation-MD	ASTM D6818	24	%		
Tensile Strength-TD	ASTM D6818	315	lb/ft	4.60	kN/m
Elongation-TD	ASTM D6818	20.0	%		
Light Penetration	ASTM D6567	25	%		
Density / Specific Gravity	ASTM D792	0.917	g/cm³		
Water Absorption	ASTM D1117	0	%		
Resiliency	ASTM D6524	80	%		
UV Resistance	ASTM D4355	82	%	1000	hours

*May differ	depending u	pon raw	material	variations
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pe Performance Do Property	Test Method		Value
C-Factors	ASTM D	0.01	
Slope Length (L)	≤ 3:1	3:1-2:1	≥ 2:1
< 50 ft (15 m)	0.009	0.019	0.062
50 ft - 100 ft	0.025	0.044	0.077
>100 ft (30 m)	0.053	0.072	0.096

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

Bench-Scale Testing* (NTPEP)				
Test Method	Parameters	Results		
	50mm (2in) / hr-30 min	SLR**=4.58		
ECTC Method 2 Rainfall	100mm (4in) / hr-30 min	SLR**=8.80		
	150mm (6in) / hr-30 min	SLR**=16.92		
ECTC Method 3 Shear Resistance	Shear at .50 in soil loss	2.42 lb/ft ²		
ECTC Method 4 Germination To	p soil; Fescue; 21 day incub	ation 482 %		
*Rench scale tests should not be a	used for design nurnoses			

^{**}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 D	esign Values*:		Tally -	VI - 11	
Property	Test Method	Value			
Unvegetated Shear Stress	ASTM D 6460	2.30	lbs/ft²	110.12	Pa
Unvegetated Velocity	ASTM D 6460	9.0	ft/s	2.74	m/s
Vegetated Shear Stress	ASTM D 6460	10.0	lbs/ft²	478.80	Pa
Vegetated Velocity	ASTM D 6460	18.0	ft/s	5.49	m/s
Manning's N (Value Repres	ents a Range		0.0	24	

^{*}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 hable for any type of damage or losses, directly or indirectly for failure of this product. Current revision supersedes all previous versions for this product.