



# PRODUCT DATA SHEET

## EROSIONTECH ETRS1 SINGLE SIDED STRAW BLANKET (FHWA) FP-03 TYPE 2C BLANKET

ETRS1 is an short-term single net erosion control blanket. The blanket shall be machine produced mat of 100% agricultural wheat straw matrix with a functional longevity of up to 9 months. (Functional longevity may vary according to soil and climatic conditions. The blanket shall consist of consistent thickness with the straw evenly distributed across the entire area of the mat. The product is bonded (stitched) onto one top layer of photo degrading polypropylene netting. ETRS1 shall meet all FHWA FP-03 requirements for a Type 2C erosion control blanket.

		*MARV VALUES	
PROPERTY	TEST METHOD	ENGLISH	METRIC
<b>Physical</b>			
Mass/Unit Area	ASTM D 6566	9.24 oz/yd <sup>2</sup>	
Thickness	ASTM D 6525	382 Mils	
Ground Cover/Light Penetration (%Passing)	ASTM D 6567	80.6% / 9.4%	
Color	Visual	Natural	
<b>Physical contd'</b>			
Tensile Strength	ASTM D 6818	108 x 40 lb/ft	
Fiber Density		.5lb/syd	
Stitching		2" Centers	
Water Absorption	ASTM D 1117	432%	
<b>Endurance</b>			
Longevity	Calculated	9 Months	
<b>Design Performance</b>			
C Factor Slope Protection	ASTM 6459	.048	
Shear Stress (UnVegetated)	ASTM 6460	2.05 lb/ft <sup>2</sup>	
Seedling Emergence	ECTC Test Method #4	682%	
Roll Sizes		8'x112.5', 16'x112.5'	

**Notes:**

1. Property Values have been compiled since 2007 and are subject to change without notice
2. Permissible Velocity and Shear Stress have been obtained through large scale test programs featuring specific soil types, vegetation classes, flow conditions, anchor methods, and failure criteria. These conditions may not be relevant to every project nor can they be replicated by other manufacturers. Please contact your Erosion Tech representative for farther information.
3. Marv Values Represent the Minimum Average Roll Values from Random Samples taken in accordance with NTPEP and AASHTO Requirements.
4. Design Performance Criteria for Vegetated Velocity and Shear Stress are estimated values given the typical industry results for RECP's manufactured to FHWA 2C standards and with similar physical properties. The customer and user of the product should assume ultimate responsibility for determining the suitability of ETRS1 on their projects



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