



## S32 UVD

### Specification Sheet

The ErosionControlBlanket S32 UVD is an ultra short-term double net straw fiber erosion control blanket designed for use on moderate slope and channel applications requiring erosion control for up to 3 months depending on moisture, light, and environmental conditions. The blanket is sewn together on 1.5 inch (38.1 mm) centers. The S32 UVD meets all requirements established in the FHWA FP-03 as a Type 1D erosion control blanket for use on slopes with gradients not exceeding 2:1 (h:v) and has been tested by the National Transportation Product Evaluation Program (NTPEP). The S32 UVD comes packaged in clear shrink-wrap with a blue band and includes installation instructions.

#### Product Nomenclature & Properties

- S** = 100% agricultural straw fiber matrix
- 3** = straw fiber matrix applied at a rate of 0.43-0.5 lbs/yd<sup>2</sup> (198-270 g/m<sup>2</sup>)
- 2** = top and bottom rapid photodegradable nets with a mesh size of 0.588 x 0.5 in (1.49 x 1.3 cm)
- UVD** = rapid photodegradable nets and thread to ensure consistent functional longevity

#### Index & Bench Scale Testing

Test Description	Test Method	Test Results
Mass per Unit Area	ASTM D6475	7-8 oz/yd <sup>2</sup>
Tensile Strength	ASTM D6818	11.3 lbs/in @ 21.9% MD 5.6 lbs/in @ 14.6% TD
Thickness	ASTM D6525	0.372 in
Light Penetration / Ground Cover	ASTM D6567	5.4% / 94.6%
Water Absorption	ASTM D 1117 & ECTCTASC 00197	496%
Unvegetated Bench-Scale Rain Splash and Runoff (not to be used as a design value)	ASTM D7101	Soil Loss Ratio* = 11.27 Soil Loss Ratio* = 12.56 Soil Loss Ratio* = 14.00
Unvegetated Bench-Scale Shear Stress (not to be used as design value)	ASTM D7207	1.49 lbs/ft <sup>2</sup> @ ½ in. soil loss
Seed Germination and Plant Growth Under Bench-Scale Conditions	ASTM D7322	527% Improvement (increased biomass)

\*Soil Loss Ratio = Soil Loss Bare Soil / Soil Loss with RECP = 1 / C-Factor (Note: Soil loss is based on regression analysis)

#### Design Values

- "C" factor = 0.005
- Maximum Permissible Shear Stress = 84 Pa (1.75 lbs/ft<sup>2</sup>)
- Maximum Permissible Velocity = 6 ft./sec. (1.83 m/s)
- Manning's "n" = 0.03

#### Standard Roll Details

Width	2.44m (8 ft)	4.88m (16 ft)
Standard Length	34.3m (112.5 ft)	34.3m (112.5 ft)
Area	83.61m <sup>2</sup> (100 yd <sup>2</sup> )	167.23m <sup>2</sup> (200 yd <sup>2</sup> )
Weight ±10%	25kg (54 lb)	50kg (108 lb)

#### Highway Roll Details

Width	2.44m (8 ft)	4.88m (16 ft)
Standard Length	137.2m (450 ft)	137.2m (450 ft)
Area	334.4m <sup>2</sup> (400 yd <sup>2</sup> )	668.8m <sup>2</sup> (800 yd <sup>2</sup> )
Weight ±10%	100kg (216 lb)	200kg (432 lb)