



ADS 00S2AN EROSION CONTROL BLANKET SPECIFICATION

Scope

This specification describes ADS 00S2AN erosion control blanket.

Erosion Control Blanket Requirements

ADS 00S2AN all natural temporary erosion control blanket is composed of a certified weed free agricultural straw matrix mechanically (stitch) bonded between two biodegradable, jute/scrim nets. Thread utilized in the construction of the blanket is biodegradable cotton or rayon. The 00S2AN All Natural blanket is recommended for use in channels or slopes requiring erosion protection for a period up to 12 months.

Each roll of ADS 00S2AN All Natural is manufactured to ensure a continuous distribution of fibers and consistent thickness. Verified values are provided in Table 1 and product characteristics are provided in Table 2. ADS 00S2AN conforms to the physical property values listed below:

Erosion Control Blanket Properties

Property	Test Method	Unit	Value
Thickness	ASTM D6525	in. (mm)	0.30 (8)
Mass per Unit Area	ASTM D6566	oz/sy (g/m)	8.0 (275)
Tensile Strength	ASTM D6818	lbs/ft (kN/m)	190 (2.8) MD; 150 (2.2) TD
Elongation	ASTM D6818	%	15 MD, 15 TD
Density/Specific Gravity	D792	-	-
Light Penetration	ASTM D6567	%	15
Biomass Improvement	ASTM D7322	%	450
Water Absorption	ASTM D1117	%	400

Packaging

Roll Dimensions (W x L) - ft. (m)	8 x 112 (2.4 x 34.1)/16 x 563 (4.9 x 171.0)
Area yds ² (m ²)	100 (83.6)/1,000 (836.0)
Weight ±10% lb (kg)	50 (22.7)/500 (227)

Design Parameters

Property	Unvegetated	Vegetated ³
RUSLE C Factor ²	0.04	N/A
Slope Maximum Gradient ¹	2H:1V	N/A
Permissible Shear Stress ²	1.9 psf (90 Pa)	N/A
Permissible Velocity ²	6.0 fps (1.8 m/s)	N/A

1. Maximum Gradient a recommendation for typical installations.

2. Hydraulic thresholds compliant with ASTM D6459/D6460 but generalized for typical applications.

3. Vegetated values dependent on established stand of vegetation.