Erosion Protection

ADS 0CS2TT EROSION CONTROL BLANKET SPECIFICATION

Scope

This specification describes ADS 0CS2TT erosion control blanket.

Erosion Control Blanket Requirements

ADS 0CS2TT extended term erosion control blanket consists of coconut fibers and straw manufactured into a continuous matrix. The coconut/straw matrix is confined by a photodegradable, synthetic net on top and a synthetic biodegradable bottom. Actual field longevity is dependent on soil and climatic conditions.

Each roll of ADS 0CS2TT is manufactured under a quality assurance program to ensure a continuous distribution of fibers and consistent thickness. Values provided in Tables 1 and 2 represent expected values at the time of manufacture. Installation instructions and performance data are available from ADS Geosynthetics Technical Support Division. ADS 0CS2TT 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)	8.5 (290)
Tensile Strength	ASTM D6818	lbs/ft (kN/m)	150 (2.2) MD; 130 (1.9) TD
Elongation	ASTM D6818	%	25 MD, 25 TD
Density/Specific Gravity	D792	-	-
Light Penetration	ASTM D6567	%	12
Biomass Improvement	ASTM D7322	%	500
Water Absorption	ASTM D1117	%	350

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)	53 (24.1)/530 (241)

Design Parameters

Property	Unvegetated	Vegetated[3]
RUSLE C Factor[2]	0.03	N/A
Slope Maximum Gradient[1]	2H:1V	N/A
Permissible Shear Stress[2]	2.0 psf (95 Pa)	N/A
Permissible Velocity[2]	8.0 fps (2.4 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.

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