



ROLLMAX™
ROLLED EROSION CONTROL

Specification Sheet

EroNet™ DS150™ Erosion Control Blanket

DESCRIPTION

The ultra short-term double net erosion control blanket shall be a machine-produced mat of 100% agricultural straw with a functional longevity of up to 2 months. (NOTE: functional longevity may vary depending upon climatic conditions, soil, geographical location, and elevation). The blanket shall be of consistent thickness with the straw evenly distributed over the entire area of the mat. The blanket shall be covered on the top and bottom sides with a polypropylene netting having an approximate 0.50 x 0.50 (1.27 x 1.27 cm) mesh with photodegradable accelerators to provide breakdown of the netting within approximately 60 days, depending upon geographical location and elevation. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers with degradable thread. The blanket shall be manufactured with a colored thread stitched along both outer edges (approximately 2-5 inches [5-12.5 cm] from the edge) as an overlap guide for adjacent mats.

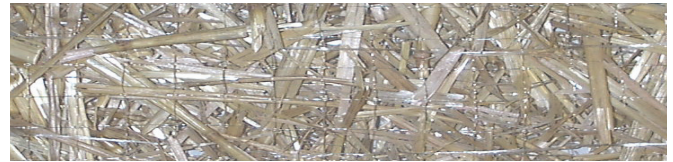
The DS150 shall meet Type 1.D specification requirements established by the Erosion Control Technology Council (ECTC) and Federal Highway Administration's (FHWA) FP-03 Section 713.17

Material Content

| | | |
|----------------|--|----------------------------------|
| Matrix | 100% Straw Fiber | 0.5 lbs/sq yd (0.27 kg/sm) |
| Netting | Top and bottom nets, lightweight photodegradable with photo accelerators | 1.5 lb/1000 sq ft (0.73 g/sm) |
| Thread | Degradable | |

Standard Roll Sizes

| | | | |
|---------------------|--------------------|----------------------|-----------------------|
| Width | 6.67 (2.03 m) | 8.0 ft (2.4 m) | 16 ft (4.87 m) |
| Length | 108 ft (32.92 m) | 112 ft (34.14 m) | 112 ft (34.14 m) |
| Weight ± 10% | 40 lbs (18.14 kg) | 50 lbs (22.68 kg) | 100 lbs (45.36 kg) |
| Area | 80 sq yd (66.9 sm) | 100 sq yd (83.61 sm) | 200 sq yd (167.22 sm) |



| Index Property | Test Method | Typical |
|------------------------------|-----------------|-----------------------------|
| Thickness | ASTM D6525 | 0.35 in. (8.89 mm) |
| Resiliency | ECTC Guidelines | 80.5% |
| Water Absorbency | ASTM D1117 | 423% |
| Mass/Unit Area | ASTM 6475 | 9.25 oz/sy (314.5 g/sm) |
| Swell | ECTC Guidelines | 15% |
| Smolder Resistance | ECTC Guidelines | Yes |
| Stiffness | ASTM D1388 | 6.06 oz-in |
| Light Penetration | ASTM D6567 | 5.6% |
| Tensile Strength - MD | ASTM D6818 | 201.6 lbs/ft (2.99 kN/m) |
| Elongation - MD | ASTM D6818 | 28.9% |
| Tensile Strength - TD | ASTM D6818 | 72.0 lbs/ft (1.07 kN/m) |
| Elongation - TD | ASTM D6818 | 27.7% |
| Biomass Improvement | ASTM 7322 | 283% |

Design Permissible Shear Stress

| | |
|---------------------------------|---------------------|
| Unvegetated Shear Stress | 1.75 psf (84 Pa) |
| Unvegetated Velocity | 6.00 fps (1.83 m/s) |

Slope Design Data: C Factors

| Slope Length (L) | Slope Gradients (S) | | |
|------------------|---------------------|-----------|-------|
| | ≤ 3:1 | 3:1 - 2:1 | ≥ 2:1 |
| ≤ 20 ft (6 m) | 0.004 | 0.106 | N/A |
| 20-50 ft | 0.062 | 0.118 | N/A |
| ≥ 50 ft (15.2 m) | 0.12 | 0.180 | N/A |

Roughness Coefficients - Unveg.

| Flow Depth | Manning's n |
|--------------------|-------------|
| ≤ 0.50 ft (0.15 m) | 0.055 |
| 0.50 - 2.0 ft | 0.055-0.021 |
| ≥ 2.0 ft (0.60 m) | 0.021 |



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Stabilization Fabrics

Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

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**GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT
SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS**