

MATERIAL PROPERTY DATA SHEET

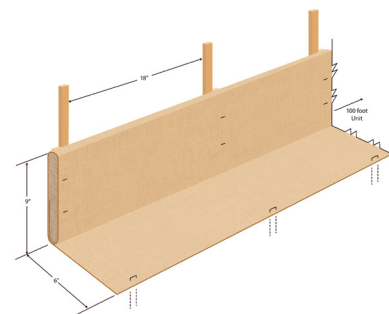


WattleFence™

Temporary • Biodegradable • Sediment Containment Device

DESCRIPTION

The WattleFence is a patented sediment retention device constructed using a fleece of coconut fiber wrapped in a biodegradable jute woven fabric. The finished WattleFence has a 9" height, 100' long with a 6" splash apron. To support the WattleFence units wood slats are stapled at 18" intervals along the length of the fence and used with a jute backstrap to constrain the device to free standing wood stakes. The Wattle Fence provides the combined features of wattles and silt fence including sediment reduction and turbidity reduction, while using 99.99% biodegradable components.



Material Content	
Fiber Infill	100% Coconut fiber Fleece

Outer Fabric Wrap	100% woven jute fabric
Backing Slats	1.5" x 0.75" x 9"

Standard Roll Sizes	
Nominal Height	9 in (23 cm)

Length	100 LF (30.5 m)
Splash Apron	6-8 in (15-20 cm)

Unit Weight	22 lbs ± 10%/100 LF
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Design Property	Typical
Maximum Flow Through Rate	20 gpm per foot

Long Term Flow Rate*	10 gpm per foot
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Approximate Filter Openings**	1.0 mm
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Free-Flow, Single Fence Turbidity Reduction	22%
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* As sediment laden flow passes through the WattleFence, the fabric blinds, reducing flow rate and improving sediment capture.

** Filter opening defined as 95% finer grain size in material collected downstream of WattleFence in flume testing. Thus, 5% of sediments collected were equal to or greater in diameter than filter opening.

Patent No.: US: 8,776,346, US: 8,821,077

MX: MX/a/2009/014256, CAN: 2,691,455

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Scan for additional and updated product information





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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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