

MATERIAL PROPERTY DATA SHEET



Straw Wattle

Temporary • Degradable • Straw Fiber •
Sediment Control Device

DESCRIPTION

Western Green manufactures Straw Wattles which are sediment control logs designed for use in sediment control applications. The Straw Wattles consist of 100% clean, weed free straw fiber matrix confined by a degradable synthetic mesh to form a log of specific length and diameter. Straw Wattles are designed to reduce hydraulic energy and filter sediment laden flow in channels and on slopes. The wattles are flexible to conform to the soil surface and are secured by staking.

Each Straw Wattle is made in the USA and manufactured under Western Green's Quality Assurance Program to ensure a continuous distribution of fibers and consistent dimensions.

Material Content

Fiber Fill	100% clean, weed free straw fiber
Outer Mesh	Hecy Duty Synthetic
Configuration	Cylindrical with Closed Ends
End Closure	Hog ring or Tied

Specified Expected Values

Diameter	10 ft (3.0 m)	20 ft (6.0 m)	25 ft (7.6 m)
9 in (0.23 m)	14 lbs (6.4 kg)	28 lbs (12.7 kg)	35 lbs (15.9 kg)
	1.4 lbs/ft (2.1 kg/m)	1.4 lbs/ft (2.1 kg/m)	1.4 lbs/ft (2.1 kg/m)
	3.2 lbs/ft ³ (51.5 kg/m ³)	3.2 lbs/ft ³ (51.5 kg/m ³)	3.2 lbs/ft ³ (51.5 kg/m ³)
12 in (0.31 m)	25 lbs (11.3 kg)	50 lbs (22.7 kg)	
	2.5 lbs/ft (3.7 kg/m)	2.5 lbs/ft (3.7 kg/m)	
	3.3 lbs/ft ³ (53 kg/m ³)	3.3 lbs/ft ³ (53 kg/m ³)	
20 in (0.51 m)	50 lbs (22.7 kg)	100 lbs (45.4 kg)	
	5.0 lbs/ft (7.4 kg/m)	5.0 lbs/ft (7.4 kg/m)	
	2.4 lbs/ft ³ (39 kg/m ³)	2.4 lbs/ft ³ (39 kg/m ³)	

Disclaimer: The information contained herein may represent product index data, performance ratings, bench scale testing or other material utility quantifications. Each representation may have unique utility and limitations. Every effort has been made to ensure accuracy, however, no warranty is claimed and no liability shall be assumed by Western Green or its affiliates regarding the completeness, accuracy or fitness of these values for any particular application or interpretation. While testing methods are provided for reference, values shown may be derived from interpolation or adjustment to be representative of intended use. For further information, please feel free to contact Western Green.

©2023, Western Green is a registered trademark. Certain products and/or applications described or illustrated herein are protected under one or more U.S. patents. Other U.S. patents are pending, and certain foreign patents and patent applications may also exist. Trademark rights also apply as indicated herein. Final determination of the suitability of any information or material for the use contemplated, and its manner of use, is the sole responsibility of the user. Printed in the U.S.A.



Rev. 5.2023

Scan for additional and updated product information





Bowman
Construction
Supply Inc.



Quick
Supply Co.



Cascade
GEOSYNTHETICS

LOCATIONS & CONTACT INFO

ASP ENTERPRISES

aspent.com
salesasp@aspent.com

BOWMAN CONSTRUCTION SUPPLY

bowmanconstructionsupply.com
salesbcs@bowmanconstructionsupply.com

QUICK SUPPLY CO.

quicksupplyco.com
salesquick@quicksupplyco.com

CASCADE GEOSYNTHETICS

cascadegeos.com
salescascade@cascadegeos.com

St. Louis, MO 636.343.4357
Omaha, NE 402.861.8579
Kansas City, MO 816.554.1191
Wichita, KS 316.393.1554

Denver, CO 303.696.8960
Colorado Springs, CO 719.257.7840
Loveland, CO 970.535.0863

Des Moines, IA
515.289.1271

Portland, OR
971.339.1020

SOLUTIONS WE SUPPLY

GEOSYNTHETICS

Filter Fabrics

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

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

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