

BIOWORM™

A SUSTAINABLE, NATURE-BASED
EROSION & SEDIMENT CONTROL SOLUTION
OFFERING BOTH EFFICIENCY AND
AFFORDABILITY 100% MADE IN THE USA

Eco-Friendly Solution: BioWorm™ stands as an eco-conscious alternative to traditional filter socks. Its netting effectively combats plastic microfiber pollution, complemented by OEKO-TEX-certified fibers and textiles that validate our commitment to sustainable manufacturing. When paired with our proven blend of kiln-dried/low-moisture wood material, featuring over 99% reclaimed content and regulatory approval for post-use land application, BioWorm™ blends durability and sustainability for your erosion and sediment control needs.

Proven Environmental Compatibility: Extensive third-party laboratory studies validate the effectiveness of BioWorm's™ netting materials across various environments, including wastewater treatment plants, seawater, soil, and landfills. These studies align with ASTM standards and internationally recognized respirometry test methods.

Safe and Harmless: Certified by OEKO-TEX ECO PASSPORT®, BioWorm's™ netting chemistry guarantees the safety of our sustainable textiles, eliminating health concerns. BioWorm™ is an environmentally responsible, non-toxic solution.

Value-Based Price Point: We're committed to making sustainability affordable. Leveraging Siltworm's™ efficient production and shipping methods, BioWorm™ is now available at a price point that minimizes the budget impact of adopting an eco-friendly filter sock solution.

Highly Effective, Eco-Conscious Solution: Highly Effective, Eco-Conscious Solution: BioWorm™ delivers up to a 95% sediment retention rate, as tested by Tri-Environmental using ASTM testing standards, with nature-based netting, all at a cost-effective price point. It's the ideal balance of sustainability and affordability.

SILTWORM™

www.siltworm.com

BiOWORM™

A Sustainable, Nature-Based Erosion & Sediment Control Solution Offering Both Efficiency and Affordability from Siltworm™
100% Made in the USA

BioWorm Testing Results

ASTM D5141 Results		ASTM D7351 Results	
Flow Rate m/m/min	0.047	Test Setup	Toe-of-Slope Installation 2"x2' Wooden posts @ 32" Spacing
Flow Rate GM/ft	1.162	Duration (min)	75
Initial Mass of Soil (g)	150	Water Input (lbs)	4700
Final Mass of Soil (g)	6.44	Soil Input (lbs)	300
Filtering Efficiency	95.7%	Sediment Concentration	Loam @ 6.0%
		Soil Retention Effectiveness	85.0%
		Seepage Effectiveness	91.9%

Fill Material Specifications

Grind Sizing	90% 1.5 – 2-inch grind, 10% fine grind
Wood Source	Recycled wood fiber
Properties	Weed, seed, disease- and bark-free, 99%+ recycled kiln-dried/low-moisture biodegradable wood material. It is regulatory approved for beneficial reuse as fill material for erosion control devices, animal bedding, and land application after use as animal bedding.

Shipping Configuration

Packaging	Shrink-wrapped & palletized with caps for indoor or outdoor storage.
Configurations	8" x 12' x 45 pieces (540 linear feet / pallet) 8" x 270' x 2 pieces (540 linear feet/ pallet)

DAY 5



DAY 30



DAY 55



1, 2, 3, 4 depict the natural netting degradation of BioWorm™ as a result of exposure to environmental factors, encompassing direct sunlight and repeated rainfall events.