

# STORM GUARD FILTRATION BAGS



## StormGuard™ Filtration Bags

- ⇒ Suitable for use in most stormwater treatment applications!
- ⇒ Uses EarthLite™ Stormwater Filter Media
- ⇒ Reduces Heavy Metals and Sediment / Total Suspended Solids
- ⇒ Easily applied to new or existing stormwater designs.



## Clean Water...It's Worth It!

### Bag Material Properties\*

Properties	ASTM Test	Unit	Results
Grab Tensile Strength	D4632	lbs	350 / 225
WW Elongation	D4632	%	n/a
Trapezoid Tear	D4533	lbs	110 / 75
CBR Puncture	D6241	lbs	1000
Color			BLACK
UV Stability	D4355	% @ 500 hrs	90%
Permittivity	D4491	sec <sup>-1</sup>	1500
Water Flow Rate	D4491	gpm/ft <sup>2</sup>	200
Apparent Opening Size (AOS <sup>3</sup> )	D4751	US Sieve	20
Percent Open Area CW02215		%	20

### Sizes:

#### Standard Sizes:

- 24" Long x 12" Wide x 2" Tall
- 36" Long x 12" Wide x 2" Tall

#### Custom Sizes and Shapes

Available, Contact us about your needs.

**Zinc Removal**  
 2/24/17 32% Removal  
 .0978 mg/L down to .0662 mg/L

**Copper Removal**  
 2/24/17 99% Removal  
 .0062 mg/L down to ND

\*Bag Material is Imported

# EarthLite™ STORMWATER FILTER MEDIA



STORMWATER  
FILTRATION



## EarthLite™ Stormwater Filter Media Technical

**EarthLite™ Stormwater Filter Media** is a university tested media that can be used in multiple applications for treating polluted stormwater. Testing shows effective reductions of Zinc and Copper. **EarthLite™ Stormwater Filter Media** is highly versatile and can easily be deployed in existing stormwater treatment systems, swales, catch basins or in bags. **EarthLite™ Stormwater Filter Media** is easy to install and is a valued engineered solution for heavy metal removal and other pollutants where your stormwater discharge is not meeting benchmarks.

## EarthLite™ Stormwater Filter Media Effective For

**EarthLite™ Stormwater Filter Media** utilizes a specific biochar that has shown in both field conditions and university studies to be a superior media for heavy metals reduction from stormwater. **EarthLite™ Stormwater Filter Media's** Biochar has an incredible porosity and surface area that give it a high capacity to adsorb a wide variety of contaminants from water. In many ways, **EarthLite™ Stormwater Filter Media's** biochar can be thought of as a cheaper version of activated carbon that can be used in many of the same applications. University testing and real world industrial site treatment shows that **EarthLite™ Stormwater Filter Media** can effectively reduce contaminants including:

- Heavy metals like
- Chromium
- Copper,
- Iron
- Zinc
- Lead
- Cadmium
- Aluminum

## EarthLite™ Stormwater Filter Media Applications

- New treatment systems, roof downspout units and above ground vaults
- Supplemental or replacement media in existing treatment systems such as sand filters
- Direct media addition to a stormwater storage vault
- Direct application in bio retention or swale systems
- Filtration socks and bags (StormGuard Filtration Bags)

Also Available



## EarthLite™ Stormwater Filter Media Contact Info

Sunmark Environmental Services LLC  
PO Box 1210 Fairview OR 97024

503-241-7333  
888-214-7333  
info@sunmarkenvironmental.com

Sunmark Environmental certifies that **EarthLite™ Stormwater Filter Media** contains the properties and characteristics on this sheet.

[www.Earth-Lite.com/rain/stormguard/](http://www.Earth-Lite.com/rain/stormguard/)

[www.SunmarkEnvironmental.com](http://www.SunmarkEnvironmental.com)



Updated on 3/9/2017

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