



STORM GUARD FILTRATION BAGS

StormGuard™ Filtration Bag Maintenance

- ⇒ Visually Inspect after large rain events or monthly at a minimum.
- ⇒ Remove any sediment, trash or other build up from bag and on the ground around the bag.
- ⇒ Wash bag if necessary to remove sediment or other build up off of bag.
- ⇒ If bag is ripped, build up can't be removed from bag material or results start to decrease, it's time to change the bag.
- ⇒ If you have ponding behind the bag, the bag material could be clogged and needs to be cleaned.



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 (Orange no long available)			BLACK
UV Stability	D4355	% @ 500 hrs	90%
Permittivity	D4491	sec ⁻¹	1500
Water Flow Rate	D4491	gpm/ft²	200
Apparent Opening Size (AOS ³)	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

Bags had been installed for 7 months when test taken

*Bag Material is Imported & Now Black NOT orange.



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 Proven

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:**
- Zinc
 - Copper
 - Iron
 - Lead
 - Aluminum

EarthLite™ Stormwater Filter Media Applications

- New & existing treatment systems
- 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
- Roof downspout units and above ground vaults (RainClear CSF)
- Filtration socks and bags (StormGuard Filtration Bags)
- End of Pipe treatment systems

EarthLite™ Stormwater Filter Media Contact Info

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

www.Earth-Lite.com/rain/stormguard/

www.Earth-Lite.com/rain
www.SunmarkEnvironmental.com



Updated on 8/14/2017

*Bag Material is Imported & Now Black NOT orange.