



## ENVIROSOXX® POLLUTANT FILTER SOCK



**STOPS POLLUTANTS FROM  
LEAVING YOUR SITE.**



**EnviroSoxx by Filtrex is the most versatile and cost effective filter for stormwater pollutant removal.**

A passive filtration system ready to install on any site, EnviroSoxx targets the most common pollutants in stormwater runoff.



## ABOUT ENVIROSOXX

EnviroSoxx helps industrial stormwater permit holders/MS4s comply with their permits, easily and quickly. EnviroSoxx can be applied on bare soil, vegetation, or impervious surfaces in the path of sheet flow or concentrated flow to target stormwater pollutants.



EnviroSoxx contains compost FilterMedia™ plus natural sorbents used to increase pollutant removal capacity, and to reduce pollutant transport in runoff and absorption by plants. EnviroSoxx is filled with all natural materials.



When designing a passive filtration system, water gets cleaner as it passes through multiple filters – therefore a combination of inlet protection, runoff diversion, channel protection, and outfall filtration using EnviroSoxx is typically recommended. EnviroSoxx can also be stacked in a pyramid style to increase the capacity of the system. Replacement of EnviroSoxx filters is designed according to site conditions, but is typically recommended on a quarterly basis.

## COMMON USES

- Agriculture
- Brownfields
- Bulk storage
- CAFO's
- Compost facilities
- Drilling/fracking sites
- Fueling stations
- Golf courses
- Heavy industry
- Industrial sites
- Landfills/transfer stations
- Marinas & boat washes
- Nurseries
- Parking lots/roadsides
- Pet parks
- Recycling yards
- Rooftops
- Sewers & septs
- Vehicle wash stations
- Wetland overflows



NUTRIENTS



BACTERIA



HEAVY METALS



HYDROCARBONS

## APPLICATIONS

- In swales, bioswales, ditches, or channels
- Around site perimeters or contaminated areas
- Across landscapes or impervious surfaces
- Around curb or drain inlets or outfalls
- As flow or filtration baffles
- Pre-treatment for bioretention, rain garden, storm water ponds, or similar storm water treatment systems
- Flow velocity reduction
- Infiltration enhancement
- Compliance with industrial or municipal storm water permits, part of TMDL, Green Infrastructure, or Low Impact Development ordinances
- Treatment on or around animal feeding operations, agricultural cropping systems, and mining operations
- As an integral component of a holistic, treatment train approach to site stormwater management

## ADVANTAGES

- Reduces stormwater pollutant loads
- Fits existing infrastructure
- Easy to maintain & replace
- Third-party researched
- Use on hard & impervious surfaces such as pavement/ asphalt without the need to trench or stake
- Cost-effective system
- **EXTREME** durable mesh stands up to hard surfaces and harsh site conditions

## REMOVAL RATES

EnviroSoxx is available in two filter blends to target common pollutants.

Advanced Blend: One filter targets four common pollutant groups.

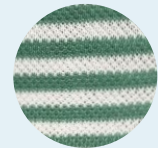
Industrial Blend: Targets heavy metals, hydrocarbons and nutrients.

ENVIROSOXX ADVANCED BLEND FILTER		
Pollutant Group	Pollutant	Removal Rates <sup>1</sup>
Heavy Metals	Cadmium	73%
	Diesel	99%
Hydrocarbons	Motor Oil	99%
	Gasoline	54%
Nutrients	Soluble Phosphorus	93%
	Ammonium Nitrogen (NH <sub>4</sub> -N)	54%
Bacteria	E. coli	99%
	Total coliforms	99%
General	Total solids	98%
	TSS	80%
	Turbidity	63%



Advanced Blend Identification:  
black and light green stripes

ENVIROSOXX INDUSTRIAL BLEND FILTER		
Pollutant Group	Pollutant	Removal Rates <sup>1</sup>
Heavy Metals	Cadmium	73%
	Lead	73%
	Copper	70%
	Nickel	69%
	Zinc	53%
	Chromium	47%
Hydrocarbons	Diesel	99%
	Motor Oil	99%
	Gasoline	54%
Nutrients	Soluble Phosphorus	93%
	Ammonium Nitrogen (NH <sub>4</sub> -N)	54%
General	Total Solids	98%
	TSS	80%
	Turbidity	63%



Industrial Blend Identification:  
white and light green stripes

<sup>1</sup>Removal rates vary by pollutant and are based on third-party research, actual removal rates may vary and are highly dependent on site specific environmental conditions including flow rate, flow volume, pollutant concentration, pollutant load, proper installation, maintenance, and design. See Research References on reverse<sup>†</sup>.

Refer to Design Specifications for complete application, design, installation, maintenance, and removal documentation at [www.filtrexx.com/specs](http://www.filtrexx.com/specs)

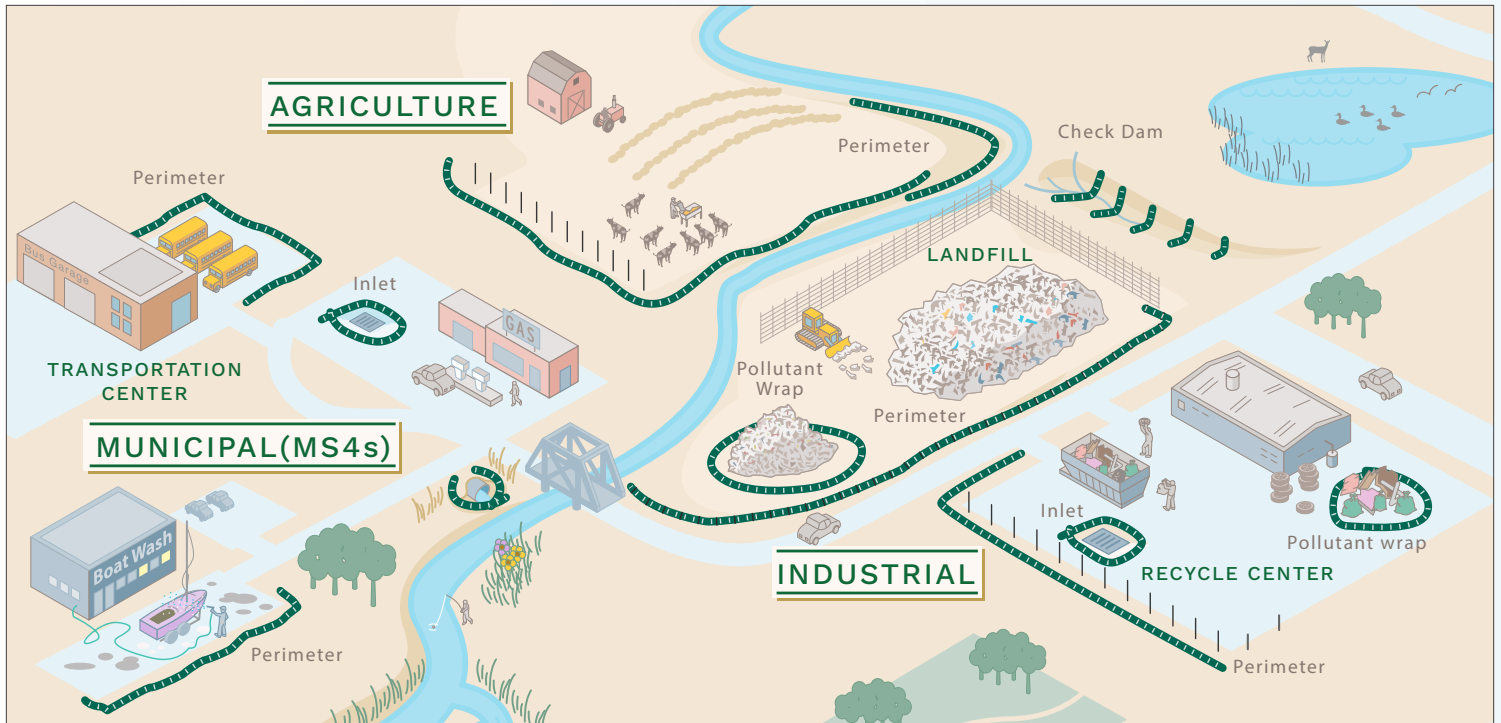
# Use EnviroSoxx® for a variety of applications and industries



FILTERS SEDIMENT



FILTERS POLLUTANTS



## †Research References

Faucette, B., F. Cardoso, W. Mulbry, P. Millner. 2013. Performance of compost filtration practice for green infrastructure stormwater applications. *Water Environment Research*. 85:9: 806-814.

Faucette, B., F. Cardoso-Gendreau, E. Codling, A. Sadeghi, Y. Pachepsky, D. Shelton. 2009. Storm water pollutant removal performance of compost filter socks. *Journal of Environmental Quality*. 38:1233-1239.

Faucette, L. B., K. A. Sefton, A. M. Sadeghi, R. A. Rowland. 2008. Sediment and phosphorus removal from simulated storm runoff with compost filter socks and silt fence. *Journal of Soil and Water Conservation*. 63:4:257-264.

Filtrex TechLinks #3325 and #3328.

EnviroSoxx Diameter	Pieces / Length (per pallet)
8"	8 / 10' ea (half pallet)
	16 / 10' ea (full pallet)
	2 / 80' ea (full pallet)
12"	5 / 10' ea (half pallet)
	10 / 10' ea (full pallet)
	1 / 100' (full pallet)

EnviroSoxx are available on pallets in precut sections or continuous lengths for easy delivery and installation.



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