

# Stormwater Management

The original, patented compost GroSoxx® for low impact development applications/post-construction activities



## Filtrexx Advantage

- Helps prevent the occurrence of stormwater
- Distributes stormwater and its treatment across the landscape
- Filters stormwater pollutants prior to site discharge
- Reintroduces natural components into the landscape
- Sustainable—uses annually renewable, locally recycled, organic materials
- Over 40 mesh materials ranging in size and strength to meet your project needs
- Customize with natural additives to remove targeted pollutants
- Contributes to LEED credit accrual

Spec's and CADs at [www.filtrexx.com/specifications](http://www.filtrexx.com/specifications)

## Severe Slope Stabilization



- Strength—uses tensile strength of roots with optional geogrid reinforcement
- Immediate vegetation establishment and superior long term growth
- Less hydrostatic pressure through superior drainage
- Easy to install—lightweight components with minimal footings required
- Customizable vegetation—preseed and/or use seed, plugs, or live stakes

*Permanently stabilize eroded or damaged slopes using vegetation instead of hard armoring*

## Bank Stabilization



- Stable—immediate protection from toe cutting and sloughing
- Vegetation—establish and reinforce vegetation under intense hydraulic pressure
- NO soil disturbance—ideal for environmentally sensitive areas
- Modular—install individual GroSoxx® or fill continuous lengths pneumatically
- Preseed or plant with plugs and/or live stakes

*A vegetated Soft Block™ system designed to stabilize and prevent erosion of riparian waterways and shoreline banks*

## Biofiltration System



*Removes sediment and soluble pollutants from stormwater prior to finishing or discharge*

- Permanent or temporary—can be preseeded for immediate vegetative growth
- NO soil disturbance—ideal for environmentally sensitive areas
- Scalable for any volume or flow rate

## Channel Protection



*Prevents erosion of drainage channels used for stormwater conveyance*

- Withstands hydraulic shear stress up to 12 lbs/sq. ft. (59kg/m<sup>2</sup>)
- Use on slopes up to 2:1
- Seeded during installation with custom seed mix
- Eliminates undercutting—water travels over the top

## Rain Garden/Bioretention System



- Simple—mimics the natural forest ecosystem to reduce stormwater volume
- Recharge valuable groundwater stores, streams and rivers
- Creates wildlife habitat and cools the environment
- Customize design and planting options for any site
- Customize with natural additives to remove targeted pollutants

*Low impact bioretention system that captures and treats stormwater on site*

## GroSoxx Gabions



- Vegetated fascia provides natural beauty and improves functionality
- Reduces pollutants entering the waterway
- Minimizes the flow of sediment and pollutant back into the water
- Customizable vegetation—preseed and/or use seed, plugs, or live stakes

*A structural vegetated armoring system used to stabilize and prevent erosion of riparian and shoreline banks*

## Bioswale



*Combines infiltration, biofiltration, and velocity control to reduce stormwater volume and pollutant loading*

- Superior vegetation establishment and long term growth
- Provides wildlife habitat for native creatures
- Typically designed as a permanent feature of the landscape

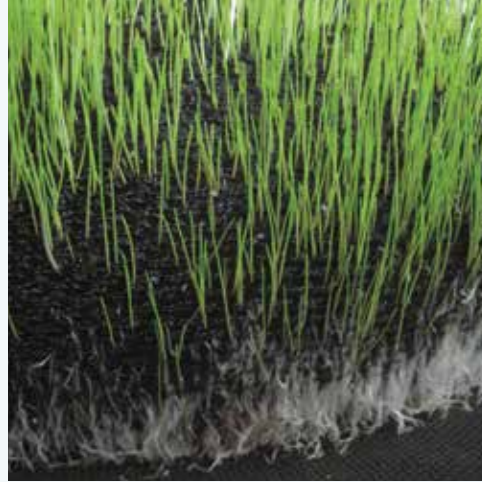
## Green Roof



*Manage stormwater on site*

- Minimize stormwater volume and pollutant loads
- Create value—reduce energy costs and increase property value
- Provide wildlife habitat for native creatures—and valued green space

# GrowingMedia™ and GroSoxx®



Filtrexx GrowingMedia is made from composted yard trimmings. Compost supplies organic matter to the soil, enhancing the proliferation of organisms. These organisms promote root development and assist in the extraction of nutrients from the soil. These organisms also create soil aggregates, which reduce soil erosion, and increase water storage—compost can hold up to 20 times its weight in water. GroSoxx are vegetated Soft Blocks™—Filtrexx heavy duty tubular netting filled with GrowingMedia™ to provide a stable and fertile environment for optimum vegetation establishment, in a pre-filled unit.



## Spec's and CADs

Would you like to incorporate a Filtrexx application into your next design? Filtrexx offers free specifications and CADs for over 25 applications at [www.filtrexx.com](http://www.filtrexx.com). Brand neutral specifications are available in *The Sustainable Site: The Design Manual for Green Infrastructure and Low Impact Development* (Forester Press).

## Consulting & Design Services

Filtrexx offers engineering, design, and research support services, including product recommendations, design calculations, plan reviews, site visits, product performance evaluations, on-site testing, design development, and site engineering.

## Education & Training

We offer several opportunities to learn more about compost-based BMPs and low impact development. Attend our monthly webinars to understand how compost-based BMPs can dramatically reduce sediment and targeted invisible pollutants in stormwater runoff. Schedule a Lunch & Learn, selecting the topic of your choice from among several offerings. Or engage in our in-depth on-site training to become a Filtrexx® Certified™ Designer or Installer. Contact us for more information.

## Project Profiles & Case Studies

The quarterly newsletter of Filtrexx features project profiles and case studies from around the world, as well as news & events happening in the industries of erosion control, stormwater management, and low impact development. View the archives at [www.filtrexx.com](http://www.filtrexx.com).

## In Compliance with:

