

Earthlite BioSwale ES™ Topsoil for Vegetated Swales

BioSwale ES™ Soil Blend is a custom blended bioswale soil with the addition of **PermaMatrix® BSP** and **Earthlite™ Stormwater Filter Media**. Primarily used as a bioremediation soil blend, it will provide everything needed to grow a sustainable plant community that can filter out toxins in stormwater. BioSwale ES™ is an engineered blend of natural sandy loam, clay, Earthlite™ Stormwater Filter Media, combined with PermaMatrix® BSP Foundation that increases the microbiological organics of the soil. It is a superior growing medium for both native and non-native plant communities, and should be used at a depth of at least 6 inches, and 12 inches is preferred.

- **BioSwale ES™ 5.5** is a premium 50/50 blend of screened sandy loam with 50% of blend being a good quality sand and 50% silts and clays. This is our standard base material that will encourage plant root development.
- **Earthlite™ Stormwater Filter Media** has a superior filtering properties, in combination with its proven ion exchange capability, will treat urban storm water at a level never before possible in these types of designs. In addition, this material makes a great landscape design media that will enhances the growth of vegetation and create a beautiful green filtration system.
- **Green Choice™ Organic Compost** is a high organic matter clean compost made exclusively from high quality, consistent organic material processed using aeration, temperature control, curing and screening.
- **PermaMatrix® BSP Foundation** is a unique combination of basalt rock dust (minerals), humic compounds (organics), bio carbon (Biochar) and micro-biological elements into one dissolvable soil particle! PermaMatrix® BSP Foundation, brings the biological and geological components together to form the foundation of healthy soil. This unique media provides a carbon link™ between the plant, root, and soil. PermaMatrix® BSP also contains mycorrhizae to increase root growth and a blend of microbes that improve nitrogen uptake. Blended into BioSwale ES™, PermaMatrix® BSP will increase germination, improve soil micronutrients, and produce a more sustainable and healthy ecosystem.

Application:

Bioswales, Bioretention, Stormwater swales, ditches, strips. Anywhere a good quality filtration soil is needed. Commercial, Residential, Municipalities, Agencies

