



Earthlite™ BioStructure Soil for Urban Street Trees

BioStructure™ Soil Blend is a custom blended structural soil mix with the addition of **PermaMatrix® BSP** and **Earthlite™ Stormwater Filter Media**. Primarily used as a structural soil for maintaining structural integrity on sidewalks and roadways while providing necessary components for bioremediation. BioStructure™ provides everything needed to grow a sustainable plant community that can filter out toxins in stormwater. BioStructure™ is an engineered blend of structural ¾” to 1 ½” rock, high clay content soil, natural porous aggregate, Earthlite™ Stormwater Filter Media, combined with PermaMatrix® BSP Foundation that increases the microbiological organics of the soil. It is a superior structural and growing medium for both native and non-native plants.

- **BioStructure Aggregate** is a premium ¾” to 1 ½” angular rock. This is our standard base material that provides structure to hold up sidewalks and roads and will encourage water movement and plant root development.
- **Green Choice Clay Soil** is a high clay content red clay that maintains moisture and nutrients for trees. This material fills the voids of the aggregate and allows excellent root penetration.
- **Natural Porous Aggregate** is ½” to ¾” highly porous aggregate that helps with maintaining air and water porosity in the soil.
- **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 enhance the growth of vegetation and create a beautiful green filtration system.
- **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 BioStructure™, PermaMatrix® BSP will increase germination, improve soil micronutrients, and produce a more sustainable and healthy ecosystem.

Application:

Street Trees, Parking Bioswales, Storm Strips, ditches, strips. Anywhere a good quality structural soil is needed. Commercial, Residential, Municipalities, Agencies



Sunmark Environmental Services, LLC, PO Box 1210, Fairview OR 97024
888.214.7333