

# MDE B.4.1 Biofilter Media

## Key Benefits

- Designed to meet the **Maryland Stormwater Design Manual, Appendix B.4.1, Construction Specifications for ESD Practices**, Revised May 2009
- Filters stormwater runoff and provides adequate growing media for plant uptake of captured nutrients
- Mechanically proportioned and blended for homogeneous results
- Designed to meet texture, permeability and nutrient requirements
- Locally sourced from recycled materials

## Application

- For use in bioretention basins, micro-bioretention and bioswales
- Where well-draining, sandy, high organic matter topsoils are required

## Typical Analysis

Sand	80 - 90%
Silt	5 - 15%
Clay	0 - 5%
USDA Classification	Loamy Sand / Sand
Organic Matter (OM)	10% (minimum)
pH	5.5 - 7.0
Infiltration Rate	1 in/hr (minimum)

## Composition

ASTM C-33 Sand  
Organic Amendments  
Screened Soil

## Bulk Density

*prior to full compaction*

1.0 tons/yd<sup>3</sup> (*approximate*)  
*assumes moderate compaction and average moisture*

