



PHOSPHORUS ADSORPTION BIORETENTION MEDIA

Technical Data Sheet

Hermanns Phosphorus Adsorption Bioretention Media is an engineered filter media with the capacity for adsorption of dissolved phosphorus from storm water runoff, used in bioretention systems stormwater management.

- Proven influent phosphorus retention of up to 98%
- Produced using coarse sand, screened topsoil, aged pine bark substrate, and Zero Valent Iron (ZVI)

TYPICAL ANALYSIS:

pH	5.5 - 7.5
Sand	85 - 88%
Soil Fines	8 - 12%
Organic Matter	3 - 5%
Hydraulic Conductivity	75 mm/hr – 300 mm/hr

Soil fines particle size <0.050

Coarse grade silica sand with particle size of 0.05mm to 2mm

Zero Valent Iron (ZVI) Filings (-8 +50 mesh): 5% by weight after initial blending