

High Performance
Phosphorus Treatment

Sorbtive[®] Media



Protect Valuable Water Resources from
Toxic Algae Blooms

Out Performs Conventional Media **800 to 1!**

■ Simple ■ Effective ■ Long-Lasting

Sorbtive[®] Media

■ Simple

Sorbtive Media

Sorbtive Media AO



Sorbtive Media AI

Sorbtive Media is an oxide-coated granular media with exceptional capacity to adsorb dissolved phosphorus making it ideal for use as an amendment for bioretention, rain garden, green roofs and sand filters.

Sorbtive Media has a sand-like consistency and easily blends into a sand or soil mix.

Sorbtive Media is ideal for retrofitting proprietary filtration systems that use granular media.

Empower Your Phosphorus Treatment Performance

Sorbtive Media is a perfect match for many projects such as:

- Bioretention / Rain gardens / Bioswales
- Permeable pavement
- Infiltration trenches
- Green roofs
- Sand filters
- Proprietary filter systems
- Radial filter cartridges
- Soil-based biofilters

Prevent Phosphorus Leaching

Multiple recent monitoring and research studies by numerous stormwater researchers have demonstrated that compost-containing bioretention and green roof soils are notorious for leaching high levels of phosphorus. Multiple third party studies have shown that Sorbtive Media greatly enhances phosphorus removal in bioretention and green roof applications.

Green Roof



Trench Filters



*Bioretention /
Rain Garden / Bioswale*



Permeable Pavement



*Proprietary Cartridge
Filter System*



Sand Filter



■ *Effective*

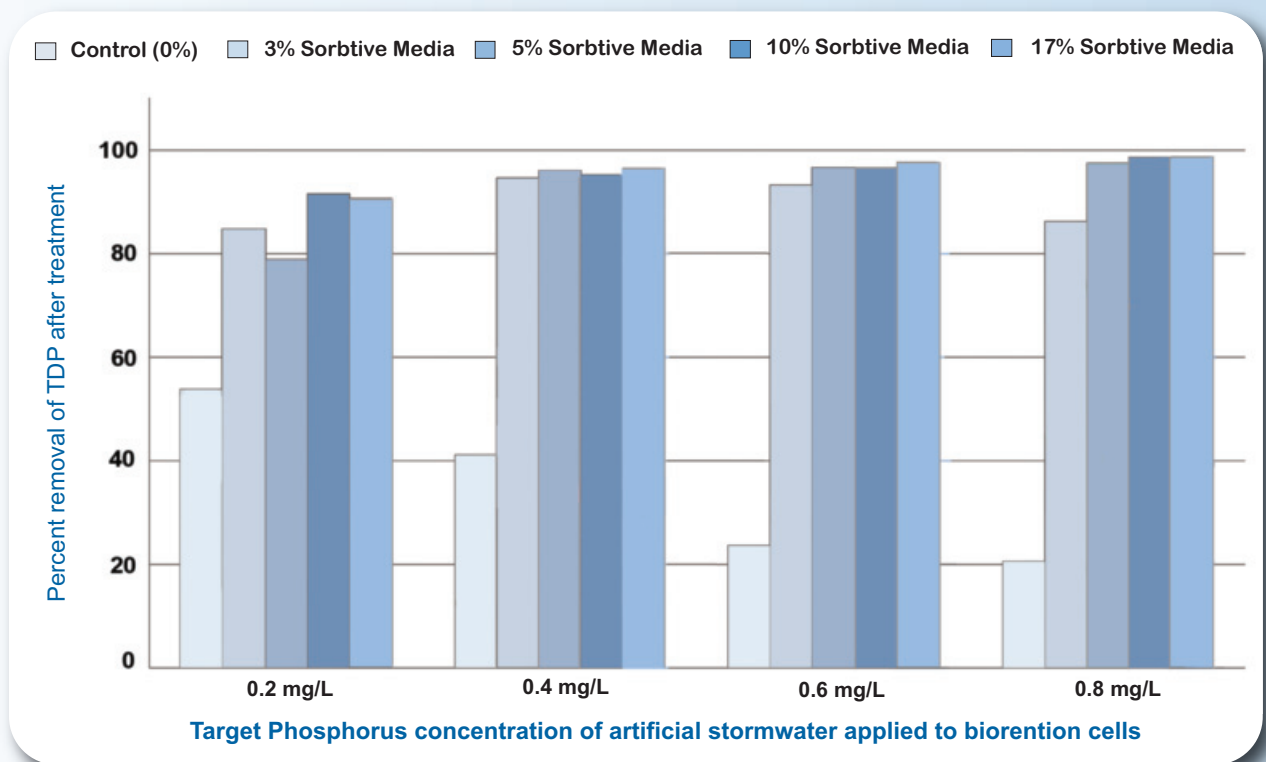
3rd-Party Tested and Proven: *Powerful Solution for Removing >90% Phosphorus*

Fleming College Research Study

The graph below demonstrates that Sorbtive Media, even when blended into bioretention soil at only 3% - 5% volume basis, is highly effective for improving phosphorus removal in bioretention installations.

A similar benefit will be provided when using Sorbtive Media in bioswales, rain gardens, green roofs, and sand filter installations.

Percent removal of Total Dissolved Phosphorus (TDP) for bioretention cells amended with Sorbtive Media, with influent at four different target phosphorus concentrations



Features

- Very high adsorption capacity
- Physically robust
- Sand-like granuals
- Available in a range of gradations
- Inert and non-toxic
- Verified 3rd-party performance

Benefits:

- Outstanding phosphorus capture and long service life
- Easily blends into soil and sand
- Compatible with LID projects
- Flexible design
- Safe to handle
- Superior phosphorus treatment with confidence

imbriumsystems.com

USA: 888.279.8827 | CAD: 800.565.4801 | INT'L: +1.416.960.9900

■ Long-Lasting

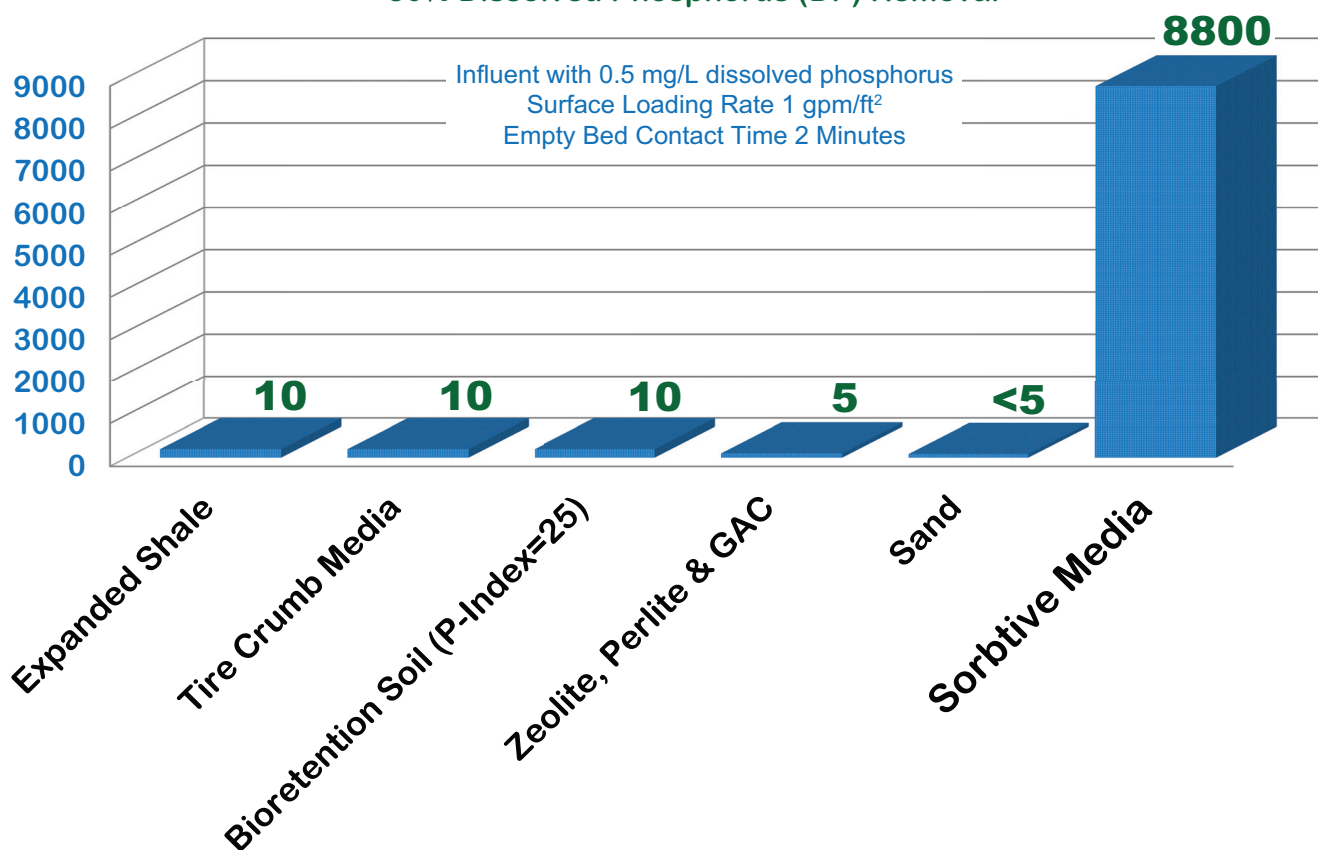
Out Performs Conventional Media 800 to 1

Third-party column studies demonstrate that the phosphorus adsorption capacity of Sorbtive Media is more than 800 times greater than conventional media.

When used as a soil or sand amendment, projected service life is **typically 10 – 50 years**, depending on amended level and site runoff characteristics.

Out Performs Conventional Media 800 to 1

Number of Bed Volumes (BV) at Breakthrough of
50% Dissolved Phosphorus (DP) Removal



For more information on Sorbtive Media - call Imbrium Systems or
email us at: info@imbriumsystems.com

Changing the World...One Watershed at a Time!

imbriumsystems.com

USA: 888.279.8826 | CAD: 800.565.4801 | INT'L: +1. 416.960.9900

