



NEWS RELEASE
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Third Party Study: Sorbtive™ MEDIA Outperforms Others in Phosphorus Removal

A study by researchers at the University of Florida has found that SorbtiveMEDIA, a new clean-tech filtration media, far outperforms all other commercially-available media in capturing dissolved phosphorus and sediment-associated pollutants from water.

Researchers concluded that SorbtiveMEDIA was “of high performance as compared to all the other poorer-performing media,” under a range of rigorous testing conditions. The team performed tests on 16 different media products to determine: equilibrium isotherms (how much phosphorus the media removes); kinetics (speed of removal); and breakthrough (loading capacity, media stability and maintenance frequency).

SorbitiveMEDIA, which functions through sorption, ion exchange, surface complexation and filtration, can be applied to a variety of stormwater and wastewater best management practices (BMPs) to capture high levels of phosphorus and sediment. SorbtiveMEDIA can replace sand in sand filters, be added to bioretention cells, be used as bedding under permeable pavement, or replace the media in proprietary stormwater filters. In these capacities, it has the ability to achieve 65-80% total phosphorus removal. SorbtiveMEDIA has between 100 and 1,000 times more pollutant removal capability than conventional media. Unlike other media types, SorbtiveMEDIA does not desorb phosphorus, leach metals or pH into the environment or decompose.

The University of Florida’s study was undertaken based on a need for quantitative studies in response to the problem of phosphorus discharge and ever expanding global eutrophication. As the study’s authors wrote: “The aesthetic, chemical and ecological degradation of receiving waters as a result of rainfall-runoff discharges enriched with phosphorus has led to significant public concerns and regulation.”

About Imbrium

Imbrium Systems (www.imbriumsystems.com) designs and develops stormwater treatment products to protect water resources from pollutants. Imbrium drives the stormwater treatment industry as the creator of both the Jellyfish fine sediment filter and SorbtiveMEDIA, with an unsurpassed 25,000 installations worldwide of its flagship product, Stormceptor.

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