

Smart Sponge® HM

Description

Smart Sponge HM technology uses resource-based metal nanocomposites extruded into an adsorptive sponge media. The media will bind with phosphorus and heavy metals resulting in removal rates as high as 98%. Additionally, the media removes oil derivatives and hydrocarbons from water.

Frequent Applications

- Stormwater pollution prevention plan (SWPP)
- Oil Spill Response (SPCC)
- Industrial Plants and municipal Plants
- Non Point Source treatment
- Process water filtration

Applicable Products

- Ultra Urban® Filter
- Smart Vault
- Smart Drum
- Smart Pak®
- Bilge Skimmer
- Line Skimmer
- Passive Skimmer
- End-of-Pipe

Disposal

The Smart Sponge samples saturated with hydrocarbons both in the lab and in the field have been tested according to the EPA's Toxicity Characteristic Leaching Procedure ("TCLP"). These tests show that Smart Sponge is a "non-leaching" (i.e., non-detect or "N.D.") product. As a result, Smart Sponge technology can afford many cost effective and environmentally friendly disposal options:

Landfills - As discussed above, spent Smart Sponge products have been classified as a solid waste and have been accepted at Subtitle D Landfills.

Note: User responsible for proper disposal of the media.



Media Color	White
Hydraulic Conductivity	80 GPM/ft ²
Maximum Temperature	130 °F
Density	14-18 lb./ft ³
Amount of Oil Absorbed	Up to 3 lbs./1lb
Pressure Drop	1 psi.
Specific Gravity	1.05 lb./ft ³

Expected Removal Efficiencies	
Contaminant	Removal %
Cadmium	>80
Chromium	>85
Copper	>74
Iron	>85
Lead	>85
Total Phosphorus	>98
Selenium	>95
Zinc	>58

