

SECTION 4: POLLUTANT REMOVAL - ENVIROSOXX[®]

Filtrex[®] Hydrocarbon Removal Agent (PetroLoxx[®])

HYDROCARBON REMOVAL AGENT

Description

Filtrex[®] Hydrocarbon Removal Agent (**PetroLoxx[®]**) is a natural absorbent that is used with Filtrex[®] sediment control and pollution prevention practices, such as SiltSoxx[™] for Perimeter Control, Check Dams, Inlet Protection, Filter Rings, Slope Interruption, Sediment Traps, and Filtration System Soxx[™] Baffles. It is specifically used to **reduce petroleum hydrocarbon or polycyclic aromatic hydrocarbon loads in storm runoff (gasoline, diesel fuel, motor oil)**, particularly in urban watersheds; drainage from parking lots, driveways, and highways; around fueling stations; around marinas, docks, and boat staging areas; around sensitive watersheds and receiving waters, and near TMDL (303d) listed water bodies. PetroLoxx should not be used without one of these Filtrex management practices.

Function

PetroLoxx is a natural absorbent that reduces petroleum hydrocarbons in runoff when applied with perimeter control, check dams, inlet protection, filter rings, slope interruption, sediment traps, and filtration baffles. PetroLoxx uses a material that has a very high surface area per unit weight and volume thereby absorbing and physically filtering petroleum hydrocarbons from runoff, removing the pollutant from runoff transport, and preventing it from reaching receiving waters. PetroLoxx can be applied in varying application rates to fit the petroleum removal objective of the application. PetroLoxx is not a coagulant and is 100% formulated with all natural materials. For more information on testing and research with PetroLoxx and Filtrex products see Tech Links in the Appendix and performance criteria tables presented with each of the Filtrex products listed with this specification.

Installation

1. Where required, PetroLoxx shall be surface applied manually, directly upslope, and along the entire length of the Filtrex runoff control or filtration practice, or thoroughly mixed with

Filtrex[®] FilterMedia[™] prior to filling Soxx.

2. PetroLoxx shall be applied at a rate of 40 lbs/cubic yard of FilterMedia for optimum performance.

Inspection & Maintenance

1. Additional applications of PetroLoxx may be added after storm events to decrease petroleum hydrocarbon loading and contamination of water bodies resulting from future rainfall/runoff events.
2. If Soxx exhibit significantly reduced hydraulic flow through rates or become clogged, they should be cleaned out or replaced.

Method of Measurement

Bid items shall show measurement as Filtrex[®] Hydrocarbon Removal Agent/PetroLoxx[®] + Filtrex BMP per linear ft or per linear m installed.

ADDITIONAL INFORMATION

For other references on this topic, including additional research reports and trade magazine and press coverage, visit the Filtrex website at www.filtrex.com

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