Pro-Tex™ HighFlow Dewatering Bags

Pro-Tex™ HighFlow Dewatering Bags provide an effective way to collect harmful peat based sediments from dirty water pumped out of excavation works (such as foundations, pipe line construction, sewer and utility trenches, waterways and lakes) that would otherwise pollute the surrounding environment.

Traditionally settlement methods (such as straw bale structures or settlement ponds/tanks) are often ineffective. They also rely on slow water movement, long settlement times, are expensive and time consuming tank maintenance which involve large works areas.

While the small pore sizes of standard dewatering bags can clog quickly when pumping peat based sediment. Pro-Tex™ HighFlow bags were therefore developed to offer a practical compromise to cope with such conditions.

Pro-Tex™ HighFlow Dewatering Bags are an efficient, practical, quick, simple and cost effective alternative solution to manage this ongoing environmental problem of removing suspended solid pollutants from pumped water on construction sites.

Sediment-laden water is simply pumped into the high quality filter bags, which trap the solids inside and allow filtered water to flow freely out through the high-flow geotextile fabric to disperse into the surrounding ground or another collection point.

Pro-Tex™ HighFlow Dewatering Bags can also be used for gravity fed applications such as outfall pipes from site drainage or lagoons.

The silt filter bags provide a passive non-mechanical solution, without the use of excessive or specialist machinery (other than possible lifting equipment when full), and do not require a large work area.

The sediment bags are also light, compact and easy to store, with minimal cleaning up required - when full, just dispose of the bag and replace with another bag.

Features/Benefits:

- Collects harmful sediment before it can enter the watercourse
- Cost effective solution
- Multiple sizes to cater for all needs
- Light, compact and easy to store
- Minimal cleaning up required

Application Categories: Sediment Pollution Control

Hy-Tex (UK) Limited
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34 x 97cm Sock

1.00 x 2.00m Bag

1.00 x 4.00m Bag

The Environment Agency

"Working at construction and demolition sites: PPG6 Pollution Prevention Guidelines"

"Poor management of silt and silty water is a major cause of serious pollution incidents from construction sites. Silt for these purposes is a fine inert sediment derived from soil and rocks.

Silt pollution can: damage and kill aquatic life by smothering and suffocating; reduce water quality; cause flooding by blocking culverts and channels…"

"You must not discharge any silty water to a drain or watercourse without prior treatment to settle or remove suspended solids. If you've identified that you will be generating silty water, identify suitable means to treat the water before discharge; examples include: lagoons, settlement tanks, silt traps grassy areas that slow water and allow solids to settle…"

"You must have prior permission from the local sewerage provider if you intend to discharge settled water to the foul sewer because this will be regarded as a trade effluent.

You must have prior permission from [the Environment Agency] if you need to discharge anything to a watercourse. In Scotland if you comply with certain conditions, a discharge will be covered by a General Binding Rule and you will not need to contact SEPA."

Feature	Pro-Tex™ HighFlow Dewatering Bags
Tensile Strength	32kN/m
Puncture Resistance (CBR)	3,700N
Permeability (ISO 11058)	190 l/m^2.s
Opening Size (ISO 11058)	320µm
Weight	145g/m^2
Material	500µ thick, green/black, 450kLy UV stabilised, polyethylene, tear resistant non-fraying edges.
Bag Sizes	34 x 97cm Sock 1.00 x 2.00m Bag 1.00 x 4.00m Bag Custom sizes also available upon request

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