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The Intelligent Environmental Solution | 100% Bio-Based | Fully Compostable | Environmentally Friendly

# Biobrane™ W70 Dewatering Bag



## Biobrane™ Dewatering Bags

Hy-Tex Biobrane™ W70 Dewatering Bags provide an effective way to collect harmful sediments from dirty water pumped out of excavation works (such as foundations, pipe line construction, water, sewer and utility trenches, waterways and lakes) that would otherwise pollute the surrounding environment.

It is a legal requirement to prevent silty water from leaving site untreated, and a finable offence if you do not take appropriate pollution control measures. The SEPA Guidance for Pollution Prevention Works and Maintenance In or Near Water: GPP 5", and former EA Pollution Prevention Guidelines PPG6, in summary, require that the majority of suspended solids (gravel, sand, and silt) must be removed from site water before it is discharged into a drain, sewer or watercourse.

The standard 1.80 x 1.80m Biobrane™ W70 Dewatering bags has the capacity to trap near 1 tonne of silt and cope with flow rates up to 4,100 L/min, while the smaller 0.90 x 1.20m bags can cope with flow rates up to 1,400 L/min.

Biobrane™ W70 Dewatering bags are uniquely made from a special plant based biopolymer, providing an environmentally responsible solution by using sustainable materials that are fully compostable and biodegradable at end of use. Wool has been added to provide the bags with additional strength and robustness, whilst still in keeping with the Biobrane™ W70 dewatering bag's high environmental credentials.

### 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

Only requires a small working area

92 micron pore size

Made from sustainable plant based bio-polymer and wool, which is compostable and fully biodegradable

Feature	Biobrane™ W70 Dewatering Bag
Application	Sediment and Debris Filter
Effective Pore Size	81 micron
Permeability	55 litres/m <sup>2</sup> /sec
Tensile Strength	3.5 kN/m
Material	70% Wool, 30% PLA biopolymer, non-woven, needle punched fabric. UV stabilised
Additional Features	Incorporating tying cord. Double Stitched.



Application Categories: Sediment Pollution Control

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## Biobrane™ W70 Dewatering Bags Usage Guidelines

Ideally position the Biobrane™ Dewatering Bag on a slope, so incoming water flows downhill through the bag, and, as a precaution, install Terrastop Premium silt fence down slope of the bags to control any potential run-off pollution.

The bag is fitted with a collar which fits around delivery hoses or connectors. Strap the neck of the Biobrane™ W70 Dewatering Bag tightly to the discharge hose using the attached tying cord.

To increase filtration efficiency place the bag on an aggregate, or a layer of Hy-Pave tiles, to maximize water flow through the under surface of the bag.

Plan ahead for removal, if the filled bags are to be lifted for disposal then place suitable lifting straps under bag prior to pumping, alternatively you can roll the bags into a digger bucket.

Regularly check the bags. The Biobrane™ W70 Dewatering Bag is full when it no longer can efficiently filter sediment or pass water at a reasonable rate.

Dispose of the Biobrane™ W70 Dewatering Bag as directed by the site engineer. Normally allow the bags to dry in place then either cut open, spread and landscape on site or remove and dispose of the filled bags (Heavy lifting machinery may be required).

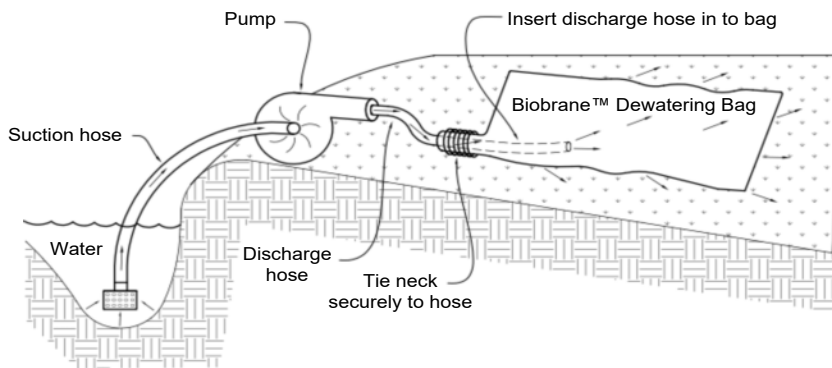
### Guidance:

0.90 x 1.20m (approx 3 x 4ft) bags are designed for a 2 inch pump's maximum flow rate

1.80 x 1.80m (approx 6 x 6ft) bags are designed for a 4 inch pump's maximum flow rate



Illustration of Typical Biobrane™ Dewatering Bag Use



Size	Surface Area	Max Flow Rate*	Max Pump Size*	Sediment Capacity	Oil Capacity
0.90 x 1.20m (approx 3 x 4ft)	2.16 m <sup>2</sup> (approx 24 ft <sup>2</sup> )	1,400 litres/min	5 cm (2 inch)	0.17 m <sup>3</sup> / 327 kg (6 ft <sup>3</sup> / 720 lbs)	0.9 l
1.80 x 1.80m (approx 6 x 6ft)	6.48 m <sup>2</sup> (approx 72 ft <sup>2</sup> )	4,100 litres/min	10 cm (4 inch)	0.51 m <sup>3</sup> / 980 kg (18 ft <sup>3</sup> / 2,160 lbs)	2.6g l

\*Up to 6 inch hoses can fit the bags, however you must regulate the flow accordingly to the bag size.

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