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Dewatering Bag

Collect sand, silt and fines

Made from a variety of non-woven geotextile fabric and has a fill spout large enough to accommodate a 4” discharge hose.

Straps secure the dewatering bag to the hose and prevent unfiltered water from escaping.

Position the dewatering bag on a slope so that water flowing down hill flows through the dewatering bag without creating erosion.

Increase bag efficiency by placing it on an aggregate or haybale bed to maximize water flow through the surface area of the bag.

Under most conditions, the dewatering bag will accommodate a flow rate of 1500 gallons per minute. Excessive flow rates or over-filling the dewatering bag with sediment will cause the bag to rupture or cause the hose attachment straps to fail. The dewatering bag is full when it can no longer efficiently filter sediment or pass water at a reasonable rate. Flow ates vary depending on size of the dewatering bag, the type and amount of sediment, the degree of slope and type of surface (ground, rock, haybales, etc.) that the dewatering bag rests on.

Easy to transport and install. Simply insert the discharge hose into the sew in spout and attach the straps. The bag collects silt as clean water gently filters out from all sides.

Does not pose a threat to the environment when disposed of properly.
Meets engineering specifications for flow rates, strength and permeability. Stabilized to provide resistance to ultra-violet degradation. Meets municipal, state and Corps of Engineers specifications.

Available in sizes: 10' X 15', 12 ½' X 15', and 15'X15' or custom sizes.

Specifications

Dewatering bags shall be manufactured using a polypropylene nonwoven geotextile sewn into a bag with a double needle matching using a high strength thread.

Each dewatering bag has a fill spout large enough to accommodate a 4" discharge hose. Straps are attached to secure the hose and prevent pumped water from escaping without being filtered.

Dewatering bag seams will have an average wide width strength per ASTM D 4884 as follows:

Dewatering Style	Test Method	Test Method
Dewatering bag 53	ASTM D-4884	60 lbs./in
Dewatering bag 55	ASTM D-4884	100 lbs./in

Property	Test Method	Units	Test Results Style 53	Test Results Style 55
Weight	ASTM-D3776	Oz/yd	8	10
Grab Tensile	ASTM-D4632	Lbs	205	250
Puncture	ASTM-D 4833	Lbs	110	150
Flow Rate	ASTM-D 4491	Gal/min/ft^2	110	85
Permivity	ASTM-D 4991	Sec	1.5	1.2
Mullion Burst	ASTM-D 3786	Lbs	360	460
UV Resistant	ASTM-D 4355	%	70	70
AOS% Retained	ASTM-D-4751	US Sleve	80	100

Construction Installation

Install the dewatering bag on a slope so incoming water flows downhill through the dewatering bag without creating more erosion. Strap the neck of the dewatering bag tightly to the discharge hose. To increase the efficiency of the filtration, place the bag on an aggregate or haybale bed to maximize water flow through the surface area of the bag.

The dewatering bag is full when it no longer can efficiently filter sediment or allow water to pass at a reasonable rate. Flow rates will vary depending on the size of the dewatering bag, the type and amount of sediment discharged into the dewatering bag, the type of ground, rock or other substance under the bag and the degree of slope on which the bag lies. Under most circumstances the dewatering bag will accommodate flow rates of 1100 gallons per minute. Use of excessive flow races or overfilling the dewatering bag with sediment will cause the bag to rupture or failure of the hose attachment straps.

Dispose of the dewatering bag as directed by the site engineer. If allowed, the dewatering bag may be cut open and the contents seeded after removing visible fabric. Dewatering bag is strong enough to be lifted with the optional straps if it must be hauled away. Off site disposal may be facilitated by placing the dewatering bag in the back of a dump truck or flatbed prior to use and allowing the water to drain from the bag while in place, thereby eliminating the need to lift the dewatering bag.

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