DIRTBAG
PUMPED SEDIMENT REMOVAL SYSTEM

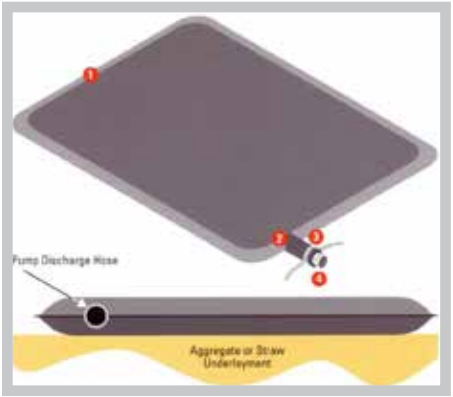
SEDIMENT & PERIMETER CONTROL

Retains the silt, sand and fines while allowing the filtered water to drain out into the drainage system.

Protect the environment effectively and economically with the ACF Dirtbag®!

The ACF Dirtbag® collects sand, silt and fines, while regulating that enters streams, surrounding property and storm sewers. ACF can make custom Dirtbags® to suit your needs. ACF Environmental manufactures the Dirtbag® using a variety of woven and nonwoven geotextile fabrics. We can produce any size, dimension, or fabric weight requested.

Each standard Dirtbag® 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. To increase the efficiency of filtration, place the bag on an aggregate or haybale bed to maximize water flow through the surface area of the bag. Dirtbag® is full when it no longer can efficiently filter sediment or pass water at a reasonable rate. Flow and removal rates will vary depending on the size of Dirtbag®, the type and amount of sediment discharged into Dirtbag®, the type of surface, rock or other substance under the bag. Under most circumstances Dirtbag® will accommodate flow rates of 500 gallons per minute. Use of excessive flow rates or overfilling Dirtbag® with sediment will cause ruptures of the bags or failure of the hose attachment straps.



Dirtbag® must be monitored during use.
Dirtbag® and Dirtbag® HD have been tested under ASTM D-7880 and ASTM D-7701, which are Standard Test Methods for Determining Flow Rate of Water and Suspended Solids Retention from a Closed Geosynthetic Bag. Testing summary available upon request.

DirtBag®

Standard Dirtbag® Features
- Higher flow rate
- Higher removal rate
- Smaller openings

Dirtbag®HD

NEW

Dirtbag®HD Features
- Higher strength
- More cost effective
- Less susceptible to ruptures

For more information about Sediment Perimeter Control, contact Inside Sales at 800.448.3636 or email at info@acfenv.com

ACF ENVIRONMENTAL
LET'S GET IT DONE

DIRTBAG® SPECIFICATIONS

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STANDARD DIRTBAG®

Standard Sizes:
4′ x 6′
5′ x 5′
8′ x 10′
10′ x 10′
15 x 15′
Custom Sizes available upon request.

Geotextile Properties - 8oz: Nonwoven

Property	Test Method	Units	Test Results
Weight	ASTM D-3776	oz/yd	8
Grab Tensile	ASTM D-4632	lbs.	205
CBR Puncture	ASTM D-6241	lbs.	525
Flow Rate	ASTM D-4491	gal/min/ft^2	90
Permittivity	ASTM D-4491	sec.$^{-1}$	1.4
UV Resistant	ASTM D-4355	%	70
AOS %	ASTM D-4751	US Sieve	80

DIRTBAG®HD

Standard Sizes:
3′ x 5′
4′ x 10′
6′ x 20′
12′ x 12.5′
12′ x 18.75′
Custom Sizes available upon request.

Geotextile Properties - Woven

Property	Test Method	Units	Test Results
Weight	ASTM D-3776	oz/yd	6.13
Grab Tensile	ASTM D-4632	lbs.	168x300
CBR Puncture	ASTM D-6241	lbs.	901
Flow Rate	ASTM D-4491	gal/min/ft^2	66.2
Permittivity	ASTM D-4491	sec.$^{-1}$	0.862
UV Resistant	ASTM D-4355	%	96
AOS %	ASTM D-4751	US Sieve	30

Dirtbag® Test Results

Property	Test Method	Units	Standard Dirtbag Results	Results
Average Removal Efficiency	ASTM D-7701	%	99.6	95.3
Residual Low-Head	ASTM D-7701	gpm	<0.001	0.004
CBR Puncture	ASTM D-6241	lbs.	97.98	93.29

Dirtbag® Seam Test Results (under ASTM D4884)

NonWoven Dirtbag	Woven Dirtbag
Maximum Load 786 lbs	Maximum Load 934 lbs
Maximum Strength 1178 lb/ft	Maximum Strength 1402 lb/ft
NOTE: Each test result was derived from a material failure rather than a stitch failure.	

All properties are Minimum Average Roll Value (MARV) except the weight of the fabric, which is given for information purposes only. Depending on soil conditions and filtration requirements, additional geotextile options are available. All test methods are ASTM or industry standard, and have been verified by a third party testing facility. Test data is available upon request.

Dirtbag^{HD} and Dirtbag^{SD} Tube are also available from ACF.

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