DIRTBAG
PUMPED SEDIMENT REMOVAL SYSTEM

SEDIMENT & PERIMETER CONTROL

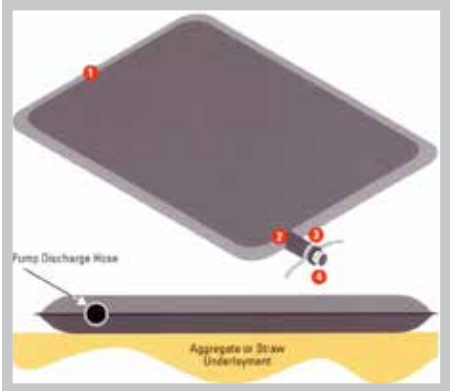
DIRTBAG®

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.
The ACF Dirtbag® has 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.

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

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DIRTBAG® SPECIFICATIONS

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DIRTBAG 53-NON-DOT

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

Geotextile Properties - DB53

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 Resistance	ASTM D-4355	%	70
AOS %	ASTM D-4751	US Sieve	80

DIRTBAG 55-DOT

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

Geotextile Properties - DB55

Property	Test Method	Units	Test Results
Weight	ASTM D-3776	oz/yd	10
Grab Tensile	ASTM D-4632	lbs.	250
CBR Puncture	ASTM D-6241	lbs.	625
Flow Rate	ASTM D-4491	gal/min/ft^2	80
Permittivity	ASTM D-4491	sec.$^{-1}$	1.2
UV Resistant	ASTM D-4355	%	70
AOS %	ASTM D-4751	US Sieve	100

Dirtbag® Test Results

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

Dirtbag® Seam Test Results (under ASTM D4884)

Dirtbag 55
Maximum Load 786 lbs
Maximum Strength 1178 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.

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