



## FBX™ Filter Bags

FILTRATION | SITE DEWATERING | SEDIMENT CONTAINMENT

### CARTHAGE MILLS' FBX™ FILTER BAGS FOR SITE DEWATERING AND SEDIMENT CONTAINMENT



#### ■ PRODUCT DESCRIPTION

Carthage Mills' FBX™ Filter Bags are designed to trap silt, sand and other sediment fines from construction sites before they can do damage to the environment; and to assist the contractor with an economical means of avoiding the costly clean-up of storm water systems.

Typical applications include the dewatering of construction and excavation sites, as well as dewatering lakes and ponds.

The **FBX™-80** is Carthage Mills' *standard* filter bag, and is manufactured with a sturdy 8 oz/yd<sup>2</sup> nonwoven polypropylene geotextile; however, FBX Filter Bags can also be made using a wide variety of geotextiles depending on overall size requirements, the type of sediment being pumped, and other site-specific or Engineering

specification needs.

All FBX™ Filter Bags are constructed using a double-needle seam, and incorporate a fabric flange large enough to accommodate up to a 6" discharge hose using the attached heavy-duty straps.

As water is pumped through the bag, it captures most of the sediment resulting in the discharge of clear to near-clear water. When full, the FBX™ Filter Bag can be disposed of as a solid waste; cut open and mixed with the on-site soil and seeded; or otherwise directed by the site engineer.

#### ■ APPLICATIONS

Carthage Mills' FBX™ Filter Bags are a cost-effective means to help protect the environment and meet storm water regulations.

- Removal of dirty or muddy water from holes and low-lying areas around construction sites
- Dewatering of ponds and lakes
- Draining trenches around pipe line construction and during repair of municipal water and sewer lines
- Highway construction
- Around building foundations
- Marine Construction

#### ■ SIZES

- FBX Filter Bags are stocked in a variety of sizes from 5' x 5' up to 15' x 30'; call for availability.
- **Custom Sizes upon request**

#### ■ INSTALLATION/MAINTENANCE

Carthage Mills' FBX™ Filter Bags are easy to install and maintain. They are designed for *one-time* use.

- Place lifting straps (not included) under the unit to facilitate removal after use.
- For maximum flow and filtration, FBX™ Filter Bags should be placed on a level bed of *aggregate* or *hay bales*.
- Insert the discharge hose and secure it tightly using the attached straps.
- Discharge Rate: FBX™ Filter Bags can typically accommodate flow rates up to 750 gal/min when *empty*. This decreases as the bag collects sediment and **MUST** be monitored to avoid rupture of the bag or excessive leakage around the discharge hose.
- Replace the unit when it is half full of sediment or when the flow rate of the pump discharge has been reduced to an impractical rate.
- FBX™ Filter Bags and the trapped sediment should be disposed of as directed by the site engineer or local regulations.

FILTER BAG MUST BE MONITORED DURING USE





## ■ FBX™-80 and FBX™-100 Filter Bags

Carthage Mills' FBX-80 (standard Filter Bag) and FBX-100 Filter Bags are manufactured of multipurpose nonwoven geotextiles of polypropylene staple fibers which are formed into a random network, needle-punched and heatset for dimensional stability. Carthage Mills' FBX™ Filter Bags are inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

**Note:** Carthage Mills' FBX™ Filter Bags can be made from a wide variety of geotextiles and in custom sizes depending on the quantity and type of sediment being pumped, and other site-specific or Engineering specification needs.

PROPERTY	METHOD	UNIT	FBX™-80	FBX™-100
<input type="checkbox"/> <b>Mechanical</b>				
Grab Tensile Strength	ASTM D 4632	lbs	205	250
Grab Tensile Elongation		%	50%	50%
Trapezoidal Tear	ASTM D 4533	lbs	80	100
CBR Puncture	ASTM D 6241		500	700
<input type="checkbox"/> <b>Endurance</b>				
UV Resistance	ASTM D 4355	%	70% @ 500 hrs	70% @ 500 hrs
<input type="checkbox"/> <b>Hydraulics / Filtration</b>				
Permittivity	ASTM D 4491	sec <sup>-1</sup>	1.4	0.80
Water Flow Rate		gal/min/ft <sup>2</sup>	95	75
Apparent Opening Size	ASTM D 4751	US Std. Sieve	80	100
<input type="checkbox"/> <b>Physical / Packaging</b>				
Mass Per Unit Area (Typical)	ASTM D 5261	oz/yd <sup>2</sup>	8.0	10.0
Standard Sizes / Packaging (Custom Sizes available upon request)	Measured (Typical)	ft  (qty)	FBX Filter Bags are available in a variety of sizes from 5'x5' to 15'x30' (15'x30' has a weight of 75 lbs) with custom sizes by request; call for more information.	

- Unless otherwise stated, all values stated here are Typical Values.
- The properties reported above are effective 01-01-23 and subject to change without notice.

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