

Geotextiles | Erosion Control | Geogrids | Geomembranes

■ 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 cleanup 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/yd² 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^{m} 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

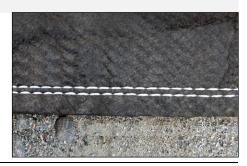
Carthage Mills' FBX™ Filter Bags are easy to install and maintain. They are designed for *one-time* use.

- 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







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Carthage Mills Product Data

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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^{TM} 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
☐ Mechanical				
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
□ Endurance UV Resistance	ASTM D 4355	%	70% @ 500 hrs	70% @ 500 hrs
☐ Hydraulics / Filtration Permittivity	ASTM D 4491	sec ⁻¹	1.4	0.80
Water Flow Rate		gal/min/ft²	95	75
Apparent Opening Size	ASTM D 4751	US Std. Sieve	80	100
☐ Physical / Packaging				
Mass Per Unit Area (Typical)	ASTM D 5261	oz/yd²	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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