

Canada's leader of complete geosynthetic solutions

**terrafix**<sup>®</sup>  
geosynthetics inc.

**SILTSACK**<sup>®</sup>  
**Catch Basin**

To view our complete product line visit us at [www.terrafixgeo.com](http://www.terrafixgeo.com)

# terrafix<sup>®</sup>

geosynthetics inc.

## Construction Sequence

To install the SILTSACK<sup>®</sup> in the catch basin, remove the grate and place the sack in the opening. Hold approximately six inches of the sack outside the frame. This is the area of the lifting straps. Replace the grate to hold the sack in place.

The SILTSACK<sup>®</sup> is full and should be emptied when the restraint cord is no longer visible.

To remove the SILTSACK<sup>®</sup>, take two pieces of 1" diameter rebar and place through the lifting loops on each side of the sack to facilitate the lifting of the SILTSACK<sup>®</sup>.

To empty the SILTSACK<sup>®</sup>, place it where the contents will be collected. Place the rebar through the lift straps (connected to the bottom of the sack) and lift. This will turn the SILTSACK<sup>®</sup> inside out and empty the contents. Clean out and rinse. Return the SILTSACK<sup>®</sup> to its original shape and place back in the basin.

The SILTSACK<sup>®</sup> is reusable. Once the construction cycle is complete, remove the SILTSACK<sup>®</sup> from the basin and clean. The SILTSACK<sup>®</sup> should be stored out of the sunlight until needed on another project.



## SILTSACK<sup>®</sup> Specifications

Control of Sediment Entering Catch Basins for Storm Water Management

The SILTSACK<sup>®</sup> will be manufactured from a woven polypropylene geotextile and sewn by a double needle machine, using a high strength nylon thread.

The SILTSACK<sup>®</sup> seams have a certified average wide width strength per ASTM D-4884 standards as follows:

| SILTSACK <sup>®</sup> Style | Test Method | Minimum Values |
|-----------------------------|-------------|----------------|
| Regular Flow                | ASTM D-4884 | 165.0 lbs./in  |

The SILTSACK<sup>®</sup> will be manufactured to fit the opening of the catch basin or drop inlet. The SILTSACK<sup>®</sup> will have the following features: two dump straps attached at the bottom to facilitate the emptying of the SILTSACK<sup>®</sup>; the SILTSACK<sup>®</sup> will also have lifting loops as an integral part of the system to be used to lift the SILTSACK<sup>®</sup> from the basin. The SILTSACK<sup>®</sup> will have a restraint cord approximately halfway up the sack to keep the sides away from the catch basin walls, this yellow cord is also a visual means of indicating when the sack should be emptied. Once the strap is covered with sediment, the SILTSACK<sup>®</sup> should be emptied, cleaned, and placed back into the basin.

The geotextile fabric will be woven polypropylene fabric with the following properties:

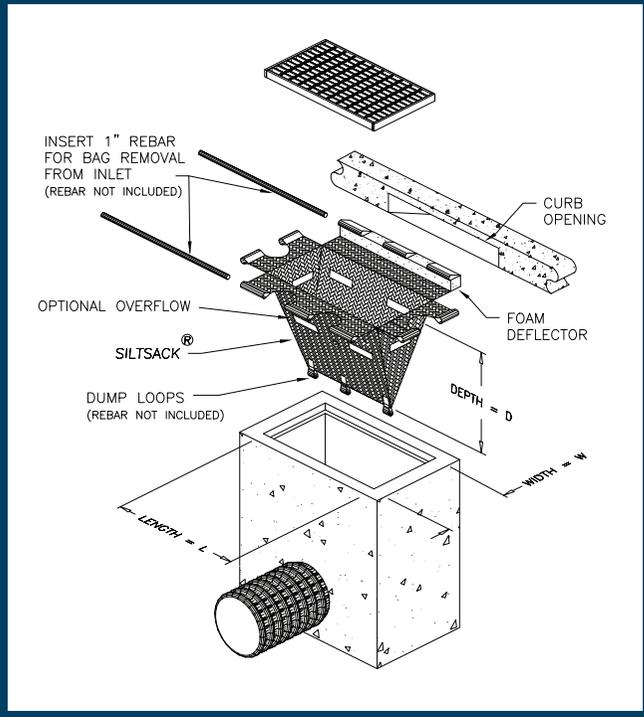
### SILTSACK<sup>®</sup> Regular Flow

| Property         | Test Method | Minimum Value              |
|------------------|-------------|----------------------------|
| Grab Tensile     | ASTM D-4632 | 300 lbs.                   |
| Grab Elongation  | ASTM D-4632 | 20%                        |
| Puncture         | ASTM D-4633 | 120 lbs.                   |
| Mullen Burst     | ASTM D-3786 | 800 psi                    |
| Trapezoid Tear   | ASTM D-4533 | 120 lbs.                   |
| UV Resistance    | ASTM D-4355 | 80%                        |
| Apparent Opening | ASTM D-4751 | 40 US Sieve                |
| Flow Rate        | ASTM D-4491 | 40 Gal/Min/Ft <sup>2</sup> |
| Permittivity     | ASTM D-4491 | 0.55 sec <sup>-1</sup>     |

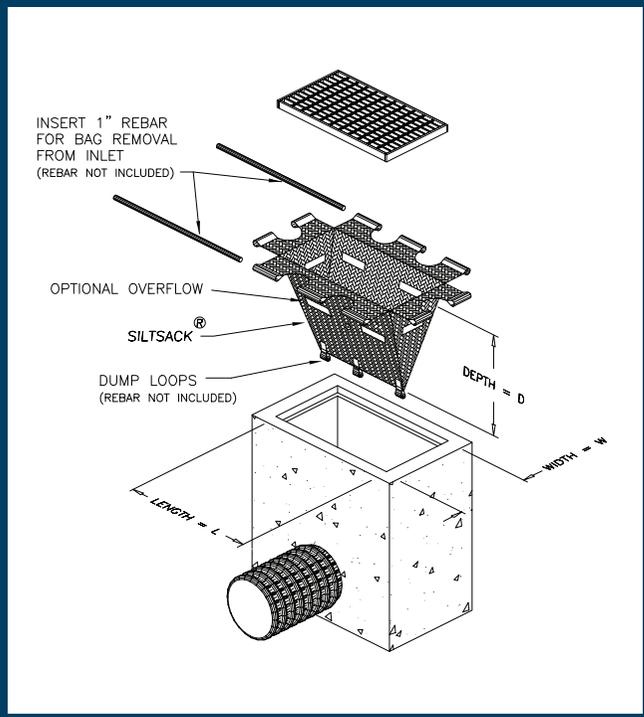
All properties are minimum average roll values

# Catch Basin Sediment Capture Device

## Typical Siltsack® Construction - Type A



## Typical Siltsack® Construction - Type B





# Catch Basin Sediment Capture Device

## SILTSACK® Catch Basin

SILTSACK® is a simple and cost-effective solution to prevent clogging of catch basins.



SILTSACK® is a sediment control device used to prevent silt and sediment from entering your drainage system. SILTSACK® traps the silt / sediment but allows water to pass through into the sewer. SILTSACK® can be used as a primary or secondary sediment control device to prevent failure of drainage system due to clogging with silt / sedimentation. Maintenance of the SILTSACK® on a regular basis will ensure that the SILTSACK® will function properly.

### Available in two styles:

- Regular flow
- High flow



### Basic Installation Instructions

- Remove drain gate
- Insert SILTSACK®
- Replace grate to hold SILTSACK® in position

### Benefits

- SILTSACK® traps silt & sediment
- Saves money and time

Routine Inspection of the SILTSACK®'s collected sediment level is important to prevent over-flow of silt and sediment.

SILTSACK® should be inspected every 2-3 weeks and after every major storm.

The yellow restraint cord should be visible at all times. If the cord is covered with sediment, the SILTSACK® should be emptied.



The information contained herein has been compiled by Terrafix Geosynthetics Inc. and is, to the best of knowledge, true and accurate. All suggestions and recommendations are offered without guarantee. Final determination of suitability for use based on any information provided is the sole responsibility of the user. There is no implied or expressed warranty of merchantability or fitness of the product for the contemplated use.

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