Product Description MIRAFI®

Engineered Solutions for an Innovative World

inlet protection

product

Beaver Dam® and True Dam®

Curb and Gutter Inlet and Curb Inlet Protection

U.S. Patent No. 5,632,888, other patents pending

BEAVER DAM®

The patented Beaver Dam® is designed for use with curb and gutter inlets to filter sediment-laden storm water. The suspended solids are allowed to settle out of the slowed flow and are captured by the Beaver Dam® prior to entering the inlet.

FEATURES AND BENEFITS

- Unique patented design keeps silt, sediment, and debris out of storm systems
- Designed to conform to the shape of the curb
- Built in overflow design
- Reduces or eliminates the need to flush or clean inlets
- Fabricated from a highly recognizable orange monofilament geotextile (Filterweave® 402)
- Standard sizes to fit any curb and gutter inlet
- Easy to install, maintain, inspect, and re-use

INSTALLATION AND MAINTENANCE GUIDELINES

- Installation: The empty Beaver Dam® should be placed over the grate as the grate stands on end. If using optional oil absorbents; place absorbent pillow on pouch, on the bottom (below-grade side) of the unit. Attach absorbent pillow to tether loop. Tuck the enclosure flap inside to completely enclose the grate. Holding the lifting devices (do not rely on lifting devices to support the entire weight of the grate), place the grate into its frame (street side first), them lower back edge with dam into place. The Beaver Dam® should be partially blocking the curb hood when installed properly.
- Maintenance: Remove all accumulated sediment and debris from surface and vicinity of unit after each storm event. Remove the sediment that has accumulated within the containment area of the Beaver Dam® as needed. If using optional oil absorbents; remove and replace absorbent pillow when near saturation.

Designed for curb and gutter inlets

TRUE DAM®

The patented True Dam® is designed for curb inlets and median inlets without grates to filter sediment-laden storm water. The suspended solids are allowed to settle out of the slowed flow and are captured by the True Dam® prior to entering the inlet.

FEATURES AND BENEFITS

- Unique patented design keeps silt, sediment, and debris out of storm systems
- Designed to conform to the shape of the curb
- Fabricated from a highly recognizable orange monofilament geotextile (Filterweave® 402)
- Reduces or eliminates the need to flush or clean inlets
- Standard sizes to fit any curb inlet
- Available with optional oil absorbents
- Easy to install, maintain, inspect, and re-use

INSTALLATION AND MAINTENANCE GUIDELINES

- Installation: Place True Dam® on ground with aggregate pouch on street side near the inlet on which it will be installed. Open Velcro access pouch located on the street side edge of the unit. If using optional absorbents, place absorbent sock in pouch and push to back of pouch. Fill pouch with aggregate to a level that will keep the unit in place during a rain event and create a seal between the True Dam® and the surface of the street. Reseal Velcro access. Center the unit against a curb or median inlet opening so that the curb side of the unit creates a seal with the curb and the inlet structure. There should be an equal length of the True Dam® overhanging on each side of the opening.
- Maintenance: Remove all accumulated sediment and debris from surface and vicinity of unit after each storm event. If using optional oil absorbents; remove and replace absorbent pillow when near saturation.

Designed for inlets and median barrier inlets w/o grates

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DANDY PRODUCTS, INC.

Ten Cate Nicolon

product

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Technical Data for Filterweave® 402 Geotextile

PROPERTY	TEST METHOD	UNITS	MARV
Grab Tensile Strength (MD x CD)	ASTM D 4632	kN (lbs)	1.62 (365) x 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 x 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.44 (100)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength (MD x CD)	ASTM D 4533	kN (lbs)	0.51 (115) x 0.33 (75)
Percent Open Area (POA)	COE -22125-86	%	10
Apparent Opening Size (AOS)	ASTM D 4751	mm (US Std Sieve)	0.425 (40)
Permittivity	ASTM D 4491	sec^{-1}	2.14
Permeability	ASTM D 4491	cm/sec	0.142
Water Flow Rate	ASTM D 4491	$l/min/m^2$ ($gal/min/ft^2$)	5907 (145)
Ultraviolet Resistance	ASTM D 4355	%	70
Color			Orange[1]

[1]The color orange is a trademark of Dandy Products, Inc.

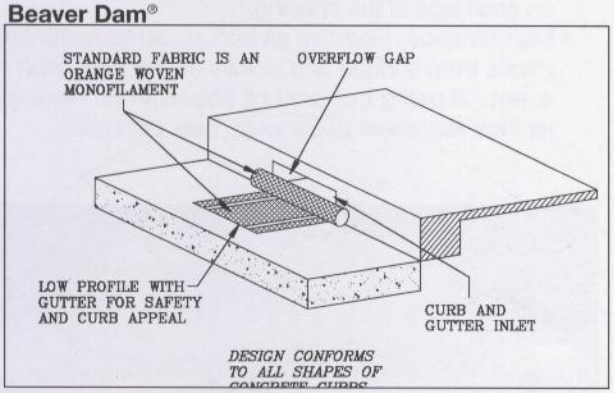
True Dam Packaging

LENGTH	CURB INLET SIZE	DAMS/PACK	PACKS/PALLET	WEIGHT/PACK
6'	4' or less	5	na	70 lbs
8'	Over 4' to 6'	5	na	85 lbs
10'	Over 6' to 8'	5	na	95 lbs
12'	Over 8' to 10'	5	na	115 lbs
14'	Over 10' to 12'	5	na	125 lbs

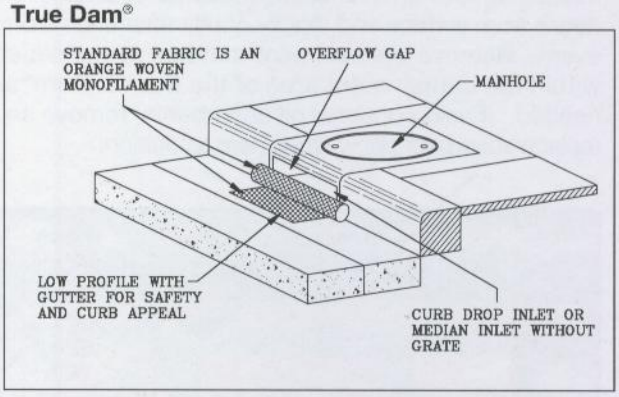
Beaver Dam Packaging

LENGTH	DAMS/PACK	PACKS/PALLET	WEIGHT/PACK
23" x 19"	5	20	40 lbs
36" x 18"	5	20	40 lbs
36" x 20"	5	20	40 lbs
36" x 24"	5	20	40 lbs
40" x 24"	5	20	50 lbs
42" x 28"	5	20	50 lbs

Beaver Dam®



True Dam®



www.tcnicolon.com

TECHNICAL SERVICES

Complete technical assistance is available from Ten Cate Nicolon and its sales representatives. Service include assistance during design and specification stages as well as initial stages of installation.

WARRANTY

Ten Cate Nicolon warrants that the product that it sells will conform to the specifications published in this literature. For information on limitations to this warranty, contact Ten Cate Nicolon.

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