



GrateShield Specification Sheet

Description

GrateShield storm grate inlet cover is designed to apply a high flow filter fabric over the top of the storm-water inlet to assist in keeping sediment and debris from inflowing into the storm-water system. Easily maintained and inspected. A cost effective addition to construction storm-water strategies.

Material

GrateShield is manufactured using a woven monofilament material. Produced from first quality raw materials, they provide the perfect balance of strength and separation in styles capable of functioning exceptionally well in a wide range of performance requirements. Unless indicated below, all listed properties are Minimum Average Roll Values:

Property	Test Method	Unit	M.A.R.V (Minimum Average Roll Value)
Weight (typical)	ASTM D 5261	Oz/sy (g/m ²)	5.6 (190)
Grab Tensile	ASTM D 4632	lbs (kN)	365x200(1.62x0.889)
Grab Elongation	ASTM D 4632	%	24x10
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	115x75(0.511x0.33)
Puncture Resistance	ASTM D 4833	lbs (kN)	100(0.444)
Permittivity*	ASTM D 4491	Sec ⁻¹	1.36
Water Flow*	ASTM D 4491	gmp/ft ² (l/min/m ²)	100(4074)
AOS*	ASTM D 4751	US Sieve (mm)	40(.425)
UV Resistance	ASTM D 4355	%/hrs	90/500

*At the time of Manufacturing. Handling ,storage and shipping may change these properties.
This information is provided for reference purposes only and is not intended as a warranty or guarantee.

Installation

1. Remove storm grate and place topside down.
2. Slide or place grate on top of GrateShield with flaps over the bottom side of grate. (*figure one*)
3. Pull Velcro ends tightly towards center and attach. (*figure two*)
4. Slide covered grate back to inlet opening.
5. Flip grate over into proper position. (*figure three*)
6. To see a demonstration video, go to: <http://www.siltshield.com/#!Video/cr5>



Maintenance

1. Inspect after every rainfall. Sweep sediment, soil and debris from cover and remove from area. Inspect fabric for defects.

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