

GutterEEL™

NEW
from ACF!

The GutterEEL™, is used on any active construction site where soils have been disturbed. It is used to filter runoff from construction sites at stormwater inlets.



What Is The GutterEEL™

The GutterEEL™ is a highly effective curb inlet sediment control filter used to remove suspended soils, trash and debris from stormwater runoff. Gutter EEL™ is manufactured with a high flow/high strength outer filter sleeve encasing 100% shredded tire filter media.

The GutterEEL™ is designed with a built in overflow weir to prevent ponding during heavy storm events. The weight of the unit holds it firmly in place close to the curb face and it's durability allows the unit to be cleaned and reused from job to job.

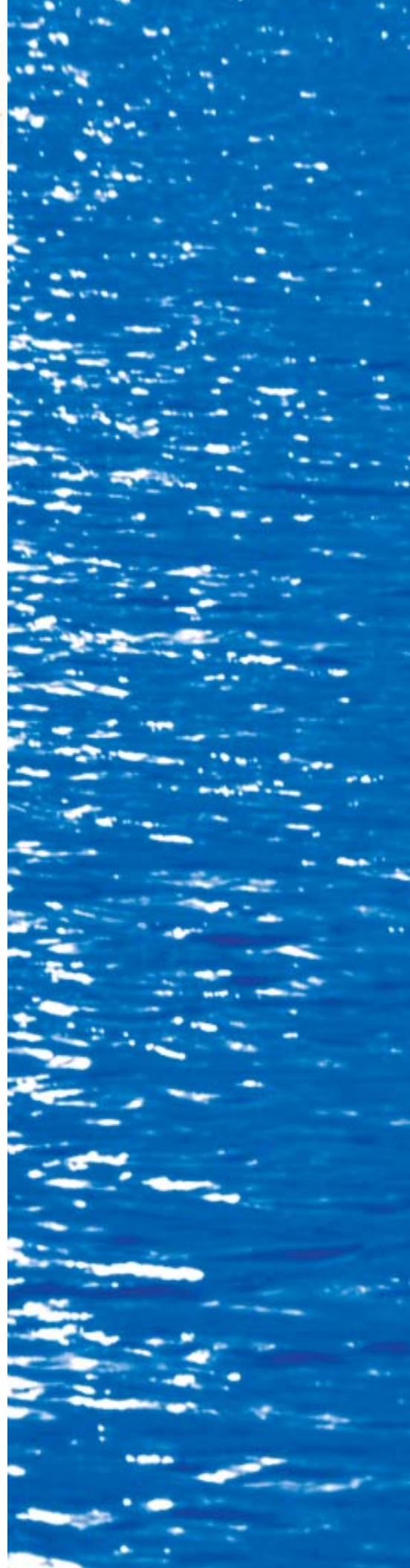
GutterEEL™ Advantages

- *Designed with high flow overflow weir for extreme wet weather events*
- *High flow/high strength outer filter*
- *Filter media composed of 100% recycled, shredded tires*
- *Easy to install, use, and reuse*

- *Weight of unit holds it securely to curb surface*

GutterEEL™ is easily cleaned and is reusable. This advanced technology provided by ACF Environmental is superior to traditional inlet protection methods such as stone or hay bales.

Call ACF Environmental or your local representative for more information.

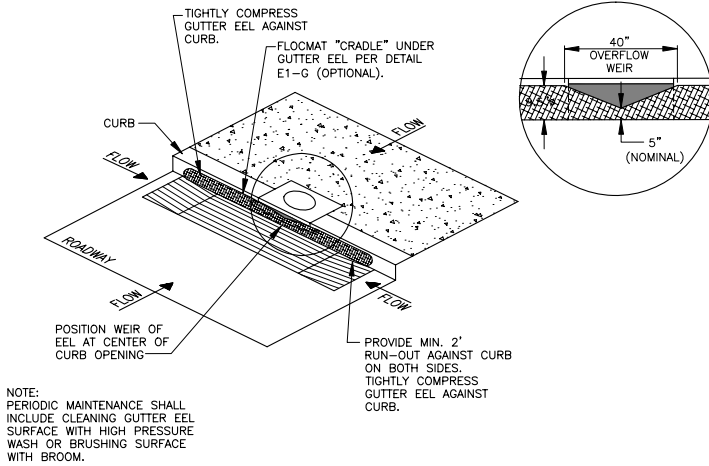


GutterEEL™ Specification

1.0 Description

1.1 This work shall consist of furnishing, placing, maintaining and removing the GutterEEL™ sediment control device as directed by the engineer and as shown on the contract drawings. The GutterEEL™ sediment control system is distributed by:

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 Richmond, Virginia 23234
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- 3.1.3 The GutterEEL™ should be cleaned if a visual inspection shows silt and debris build up in front of the unit.
- 3.1.4 The GutterEEL™ is reusable. Once the construction project is complete and it is no longer needed for sediment control, remove, clean and store out of the sunlight.
- 3.1.5 Ponding is possible if sediment is not removed regularly. Inspection of GutterEEL™ should be on a regular basis and immediately after major storm events.

Fabric Properties

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Wide Width Tensile Strength	ASTM D 4595	kN/m (lbs/in)	40.273 (230)	39.398 (225)
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.78 (400)	1.491 (335)
Grab Tensile Elongation	ASTM D 4632	%	20	15
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.645 (145)	0.556 (125)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	4478.5 (650)	
Puncture Strength	ASTM D 4833	kN (lbs)	0.556 (125)	
Apparent Opening Size (AOS)	ASTM D 4751	mm (U.S. Sieve)	0.60 (30)	
Percent Open Area	COE-22125	%	8	
Permittivity	ASTM D 4491	sec ⁻¹	1.5	
Permeability	ASTM D 4491	cm/sec	0.13	
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	4685.1 (115)	
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	90	

Physical Properties	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D 5261	g/m ² (oz/yd ²)	271.2 (8.0)
Thickness	ASTM D 5199	mm (mils)	0.889 (35)
Roll Dimensions (width x length)	--	m (ft)	3.8 (12.5) x 91 (300)
Roll Area	--	m ² (yd ²)	348 (417)
Estimated Roll Weight	---	kg (lbs)	100 (221)

2.0 Materials

2.1 GutterEEL™

The GutterEEL™ shall be a synthetic filter manufactured from recycled shredded tires.

2.1.1 The GutterEEL™ will be manufactured to be 9” diameter with overflow weir in the center of the unit and is available in 6’ and 9’ lengths.

3.0 Construction Sequence

3.1 General

3.1.1 Install the GutterEEL™ in front of the curb inlet opening. Each end of the GutterEEL™ should overlap the curb inlet approximately 12”.

3.1.2 Overflow weir should be centered on curb inlet. If more than 1 unit is required, units should be placed with each end flush against each other.

Clean Water Hydraulic Flow Rates

Flow through tube at maximum head at the invert of the overflow weir is 14 gpm/ft (53 liters per minute) length.

Flow through the trapezoidal weir is given as follows:

Flow Depth (inches)	Approximate Flow Through Weir Only (in gallons per minute for single weir opening)	Approximate Total Flow Range (in gallons per minute) for single weir plus flow through 9ft long Gutter EEL bag
1	10	135
2	50	175
3	135	260
4	250	375
5	500	625

ACF Environmental

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