

# ERTEC Environmental Systems

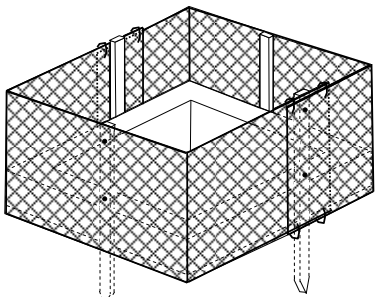
Protecting Global Lands and Waterways™

## Drop Guard™ Drop Inlet Protection (softscape)



Drop Guard™ (DrG) is a patented, high performing, low cost and environmentally sustainable approach to reduce sedimentation into unpaved or soft-scape drop inlets. Drop Guard allows water flow-through but reduces velocity while filtering particles. Manufactured in 7 foot panels, it is trenched to a depth of 4 inches and wrapped around drain inlets. Two

heights are available (15" & 12"). The filter is designed for concentrated flows. It is self cleaning after post-storm sediment build-up is removed. Drop Guard is an important part of a comprehensive best management practice system for site sediment control. Highly sustainable, the system is made from recycled, reusable and recyclable HDPE.




**Product Highlights**


- ✓ 425 micron integrated filter
- ✓ 11" or 8" freeboard height
- ✓ 7 foot panels, 15" or 12" width

**Install Highlights**

- ✓ Trenched to depth of 4"
- ✓ Overlap segments by min 4"
- ✓ Hog ring or zip tie tops at overlap
- ✓ Wood stakes at overlaps and sides to reinforce (1"x2"x18")



100% American Content / Labor



**Zero Waste**

- ✓ Recycled
- ✓ Reusable
- ✓ Recyclable

### Product Characteristics

Functional life (min years)	4+	Filter – min AOS (microns)	425
Dimension - panel width in inches	11 or 15	Filter Flow Rate ASTM D-4491 gpm/ft <sup>2</sup> (min)	145
Installed freeboard height (inches)	11	Tensile Yield ASTM D-638 (lb/in <sup>2</sup> )	1800 - 2800
Recycled Material Content (% minimum)	92	Ultimate Tensile Strength: ASTM D-638 (lb/in <sup>2</sup> )	2000 - 2800
Reusable	YES	Service temperature (deg F)	-30 to 160
Recyclable	YES	Self cleaning filter	YES



Installation in progress: Prior to stakes and backfill

### Product Benefits

- Fast & Simple Installation
- Very Easy to Maintain
- Lasts Duration of Project
- Easy to Remove and Reuse
- Very Low First and Total Cost

Size of Concrete Apron	Linear footage (ft)	Drop Guard Panels	Stakes Req'd	Wood Screws Req'd	Hog Rings or Zip Ties Req'd
2'x2'	8	2 (14 ft)	4	8	4
2'x3'	10	2 (14 ft)	4	8	4
3'x3'	12	2 (14 ft)	4	8	4
3'x4'	14	3 (21 ft)	4	8	6
4'x4'	16	3 (21 ft)	4	8	6
5'x5'	20	4 (28 ft)	8	16	8

Product Designation	Panel Dimensions	Freeboard Height (in)	Trench Depth (in)
Drop Guard 15" (DrG15)	7 ft x 15"	11	4
Drop Guard 12" (DrG12)	7 ft x 12"	8	4

### Design and Installation

For proper design and installation refer to the Installation and Maintenance guide.