

ErosionEEL™

SEDIMENT AND PERIMETER CONTROL

EROSION & SEDIMENT CONTROL DEVICE

PREVENT PHYSICAL DEGRADATION OF THE ENVIRONMENT BY ENHANCING WATER QUALITY.

ErosionEEL™ is an environmentally-friendly, low-impact, erosion and sediment control device. It may be placed over multiple surfaces including soil, asphalt, concrete, and surface rock. The unit is made out of a woven polypropylene geotextile fabric and filled with shredded recycled tire rubber. The filler provides an adequate filter system and prevents localized flooding during storm events. ErosionEEL can be used in place of rock check dams, wattles, hay bales, gravel bags, silt fence, temporary diversion berms, and storm/inlet drain protection products. Units are 9.5" in diameter and come in lengths of 4.5' and 10'.

RESEARCH

The test results for the ErosionEEL at the San Diego State University Soil Erosion Research Laboratory revealed that the device is resilient under extreme rainfall intensities and slope conditions. The protocol used was designed to fail all BMPs in order to determine the performance limits. However, the ErosionEEL retained as high as 89% solids from a 33% barren slope under rainfall conditions at or exceeding the 1000 year storm event.

FLOW TEST RESULTS

The flow rate through ErosionEEL bags under a 3,000 mg/L slurry flow rate = $Q = 8 - 10$ gpm/ft length of Eel

ADVANTAGES:

- Easy installation with no trenching required
- DOT accepted in many states
- Durable, reusable, and easily moved
- Weight of unit holds it securely to curb surface

12.20

