

EROSION EEL™

SEDIMENT & PERIMETER CONTROL

EROSION & SEDIMENT CONTROL DEVICE

The ErosionEEL™, by its very nature, functions to help prevent physical degradation of the environment by enhancing water quality.



The 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. Increased flow rates through the filter material as compared to silt fence helps to prevent localized flooding during storm events.

ErosionEEL™ is reusable within a project and can be moved to other project sites:

- Minimizes the amount of new product manufacturing (involving extraction of natural resources, additional manufactured products into the environment).
- At the end of EEL cycle, rubber material is cleaned and reused in new EELs that are produced.



ADVANTAGES:

- Easy installation with no trenching required
- Durable, reusable, and easily moved
- DOT Approved in many states
- Replaces silt fence, rock check dams, temporary diversion berms, and storm/inlet drain protection
- Weight of unit holds it securely to curb surface



Benefits and Features

- Three-dimensional Filter - Sediment retention roll/tube
 - Function: Suspended particle capture; flow control
- Woven polypropylene geotextile exterior
- Nominal 9.5" diameter
- Manufactured lengths = Nominal 10ft and 4.5ft
- Internal fill Material Mixture
 - Washed shredded rubber (metal removed) - Supplier: MTR AASHTO - specified hardwood chips (0.5" to 0.75" in size)

Environmental Compatibility

Synthetic Precipitation Leach Procedure (SPLP)

pH of 4.2 and pH 7.0 (modified SPLP)

Testing for metals, volatiles, surfactants, base/neutral extractables, acid extractables

Rubber Fill Material Results

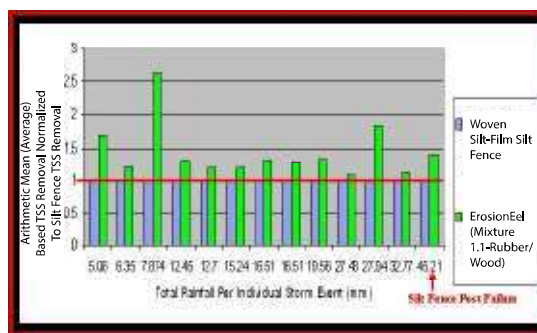
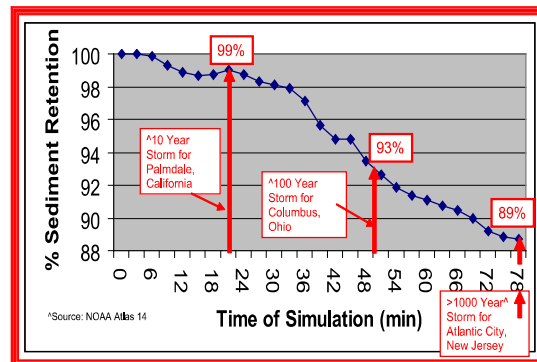
No adverse levels of any constituents have been extracted (relative to human exposure and aquatic toxicity)

Synthetic Fibers (nylon, PP, PET)

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Performance

The test results for the ErosionEEL™ at the San Diego State University Soil Erosion Research Laboratory revealed that the EEL is very 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.



SIMILAR PRODUCTS IN THIS FAMILY:

DIRTBAG



SILT FENCE

