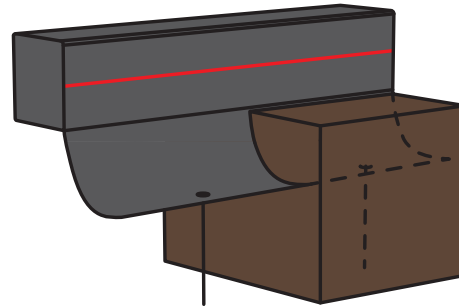




INSTALL GUIDE for SOIL/CURB SURFACES

Soil Surfaces include:

- Perimeter control along curbs
- Driveways and entrance points
- Stockpile management on soil
- Soil only perimeter control



Equipment Needed for Installation

»» Options for Trenching

- Pick and shovel
- Small excavator/Bobcat
- Trencher

»» Options for Backfilling

- Rake
- Shovel
- Small excavator/Bobcat

»» Miscellaneous

- Spray paint
- Nails with washers (included in shipment)
- Hammer/mallet

Inflating DuraWattle for First Use

»» Open bundle by cutting straps.

Each bundle of DuraWattle contains 300ft of product. There are 6 bundles per pallet.

»» Using one of the included pins, puncture each piece of DuraWattle through the filter fabric multiple times (at least 4 times).

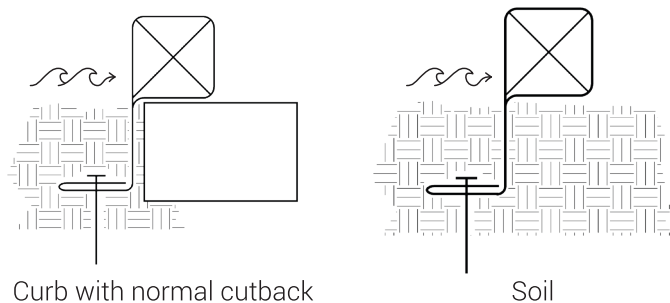
PRO TIP: Puncture the pieces of DuraWattle *before* you begin trenching for a faster installation.

NOTE: inflation time can be affected by several factors, including climate and how long the compressed product has been stored.

- To expedite the inflation process, puncture each piece in several different areas.
- Call with concerns if it takes longer to inflate than expected.

Installation Procedure

- »» Inflation the sections of DuraWattle as described on page 1.
- »» Dig a 3in deep x 6in wide trench inside the work area (upstream).
 - See Best Practices section on page 4 for our recommendations in different soil types.
- »» Lay the tail section inside the trench and fold it in half over itself.
 - IMPORTANT: The core section of the wattle is NOT placed in the trench, it lays on the *downstream* side of the trench. If there is a curb, place the core on the curb.
 - When installing next to sidewalk: if there is sufficient cutback (greater than 5 inches) folding the tail and trenching may not be necessary.
 - See Best Practices section on page 4 for additional trenching explanation.
- »» Connect sections of DuraWattle by inserting the closed end of one section into the open end of another.
 - Make sure the inner core of each piece touches and the tail is overlapping correctly.
- »» Pin the tail with provided nails every 4ft and over any overlapping sections.
 - PRO TIP: Straightening out the sections of DuraWattle before pinning and backfilling can improve work area aesthetics and product performance.
 - IMPORTANT: DuraWattle is secured to the surface via the tail section, NOT by staking or pinning the core directly.
 - Some soil types may require different nails, see Best Practices on page 4.
- »» Mark pin locations on the core above the soil level with spray paint.
 - PRO TIP: Marking the pin locations allows you to easily locate them during removal.
- »» Backfill the trench and compact the soil manually using a shovel to secure the tail to the surface.
 - If the soil is full of vegetation or hard to work with, then “clean fill” can be brought from other areas of the site to more effectively backfill.
 - See Best Practices section on page 4 for why we recommend compacting the backfill manually with a shovel.





INSTALL GUIDE for SOIL/CURB SURFACES

Basic Removal

- »» Using the painted marks as a guide, pop out the nails with a shovel.
- »» Pull the wattle out of the soil.
- »» Store for further use.

Storing DuraWattle and Inspection Before Reuse

- »» There are no specific storage recommendations.
 - DuraWattle cannot be recompressed.
 - Because DuraWattle does not absorb water, it can be stored outdoors or indoors.
 - If it is being stored for long periods of time outdoors, then covering will increase longevity of the product.
- »» Before reusing DuraWattle, consider the following:
 - Although small rips and tears will not affect the performance of the DuraWattle section, large tears can compromise the integrity of the product. In other words, if a tear is large enough to allow sediment laden water to flow through the product without being filtered, then the section should be replaced.
 - If the foam is flat and has not bounced back into form, then the section should be replaced. This can be caused by several factors, but usually it means the plastic seal has been severely torn or compromised and the core is absorbing water. Without a consistent barrier height, a perimeter of installed DuraWattle can be overwhelmed with concentrated water flow.

A Site with Both Hard Surfaces and Soil Surfaces

- »» Installing DuraWattle on a Multi-Surface Site with both soil and a hard surface:

The tail section allows pieces of DuraWattle to be trenched in soil as well as secured to hard surfaces using steel strips without a break in the barrier. Customers in the past have installed DuraWattle sections as a continuous barrier across soil and hard surfaces and kept their sites in compliance for the duration of their jobs. Contact us for more information on this unique installation.



INSTALL GUIDE for SOIL/CURB SURFACES

Installation Best Practices

- »» When installing next to a curb, place the core on top of the curb for best results. This prevents the core from sinking into loose or moist soil when driven over by heavy machinery.
- »» Installation that is not perpendicular to the contour of a slope can cause unintentional water diversion (the water will flow to a lower point along the length of the installed product).
- »» If the product is the sole barrier installed at a site with a single low point, then we recommend installing silt fence perpendicular (J-hooked) to the contour of the slope to help dissipate concentrated flow before it reaches the single low point of the site.
- »» Digging a deep trench and folding the tail section over itself keeps the barrier secure and prevents it being pulled out of the ground by heavy tires rutting.
- »» When installing on a curb, we recommend compacting the backfill manually with a shovel. The product can be distorted and not perform properly if the backfill is machine-compacted.
- »» When installing on loose or sandy soils, alternative pins may need to be used (we recommend 8in Ecoturf biodegradable stakes).
- »» When installed in home developments, the increased site access from installing DuraWattle as perimeter control can interfere with other tracking control measures.
- »» When installed in heavy clay soil, more frequent removal of built-up sediment during and after rain events may be required.
- »» DuraWattle has been installed over driveway sections in new home construction. In these instances, the product augments silt fence installed around the perimeter of the site. If DuraWattle is being used in this way and it is not installed around the entire perimeter of the site, then J-hook one section of DuraWattle at each end of the run to trap sediment laden water.

Contact Us

- »» Feel free to contact us with unique installation challenges or any questions.

(916) 822-2174
contact@durawattle.com