GROWALL Pond & Shoreline Kit

INSTALLATION GUIDE

Thank you for purchasing your GroWall Pond & Shoreline Kit by Envirolok**!**

You are on your way to protecting and beautifying your shoreline investment. **If you have any questions before, during, or after your installation, simply email ecosolutions@envirolok.com or reach us at growall-systems.com.** We expect your journey to be fun and rewarding! We can't wait to see your before and after photos!

Go to growall-system.com/installation or scan here for more detailed instructions and step-by-step installation videos.

Included in your Kit

- Bags
- Closure Tie
- Stabilizer Strip
- Pins

GroWall Units
- 1 Bag, 2 Spikes, 1 Closure Tie
- Stabilizer Strip

What you need to get started

Tools:

- tape measure
- shovel
- hand tamper
- hard rake
- level
- safety glasses
- 5 gal. bucket
- 8" concrete form tube
- utility knife
- bag fill

Plants:

Select your vegetation and have it ready to go during installation. If you still need to purchase plants or seed, we've included a discount coupon for Agrecol Native Plant Nursery!

step 1 Fill Bags

Bag fill should be a mix of 60-80% Sand / 20-40% Topsoil. In some cases, on-site material maybe used if it is free of heavy clay.

- ► .7-.8 cubic feet / bag
- ► 55-70 lb carrying weight

Filled & compacted dimensions:

- ► +-26" L x 10.5" W x 5" H

scan here for complete filling instructions

step 2 Dig the Trench

Dig a trench the length of the shoreline you want to be protected. The trench should be a minimum of 5" deep and 12" wide. The beginning and the end of the trench should be angled back into the existing bank eliminate erosion at the edges.

step 3 Foundation Course

Place the pins along the trench, spacing them 12-18" apart. Next, place the first course of bags over the pins, so two pins connect with each bag. It's okay if you need to move pin locations as you go. Be sure the bags fit tightly to one another and tuck the "snorkel" and excess fabric under each bag. Compact each bag with a hand tamper after it is set.
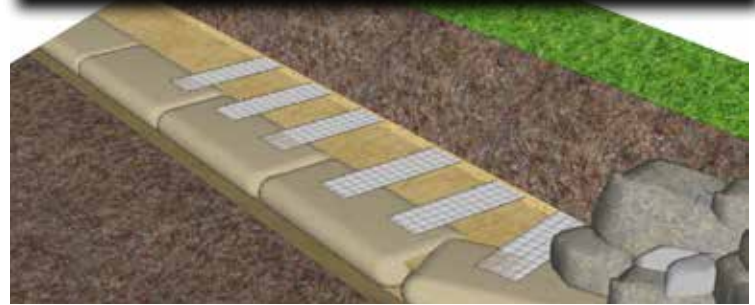
step 4 Backfill

Place backfill material behind the bags and rake level so that the material is slightly higher than the bags.
Next, compact the backfill material with a hand tamper of vibratory compactor.

step 5 Stabilizer Strips

Cut stabilizer into 3' pieces. Lay the stabilizer strips over the bags (2 per bag @ 12"-18" apart as shown). NOTE: For sites with wave energy, the stabilizer should be wrapped and anchored.
Go to growall-systems.com/installation for full instructions.

step 6 Connection Pins

Insert the pins through the stabilizer strip and into the bags below. There should be two pins and two stabilizer strips per bag.

step 7 Additional Courses

Set and compact your next course of bags in a brick pattern, so that the bag above spans the seam between two bags below by at least 8". Backfill behind each course once completed. Level each bag as needed by adjusting the snorkel length.

IMPORTANT:

1. Determine your bag setback to. Bag setback can range from 3/4" to 6", depending on desired slope.
2. Stabilizer strips should be installed every other course.
3. If installing live plants, it is easiest to do as you build each course. Once the GroWall system is above the water line, follow Step 8.
4. Do not place pins or stabilizer strips in the top course of bags.

step 8 Add Plants

Once above the waterline, place plant material (2 plants per bag) on top of the bags, so the root crown or top of soil will be even with the bag above. Place a handful of soil around the plant roots. Adjust plants as needed as you install additional courses above.

step 9 Top Dress

Once you have completed your shoreline, cover the top course of bags with 1-2" of soil prior to planting. If using hydroseed or Agrecol NVM for vegetation, go to growall-sytems.com for detailed instructions.