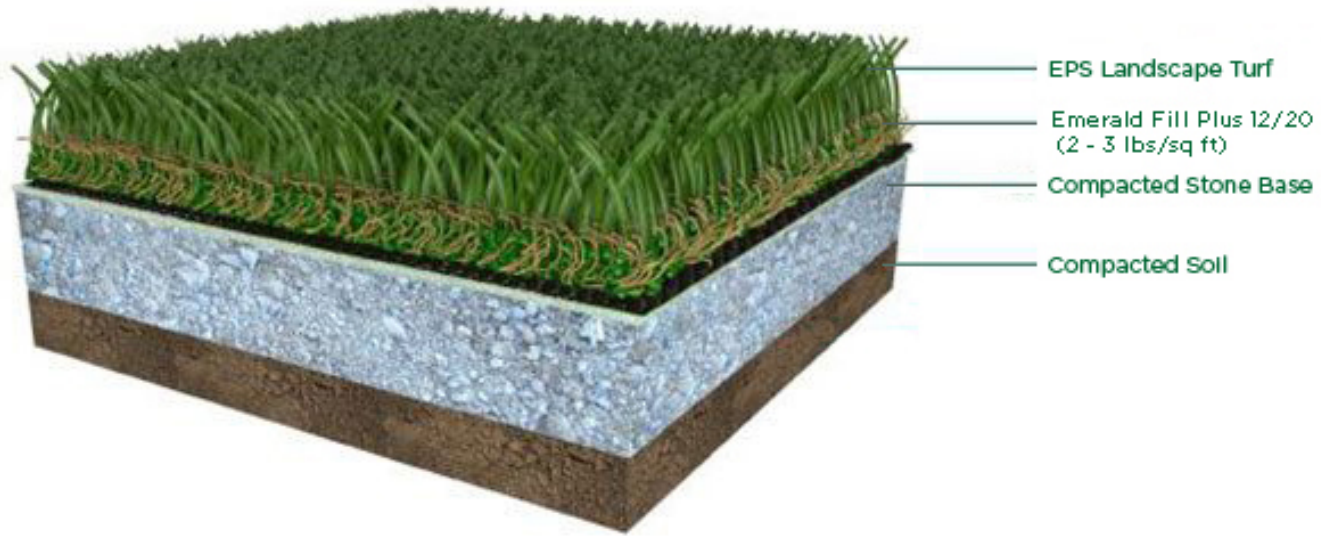
EPS LANDSCAPE TURF SYSTEM





Pro II
24100840



Eco III
24100950



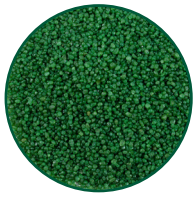
Premium II
24100820



Supreme II
24100800



Classic III
24100870



Emerald Fill Plus 12/20
24100600

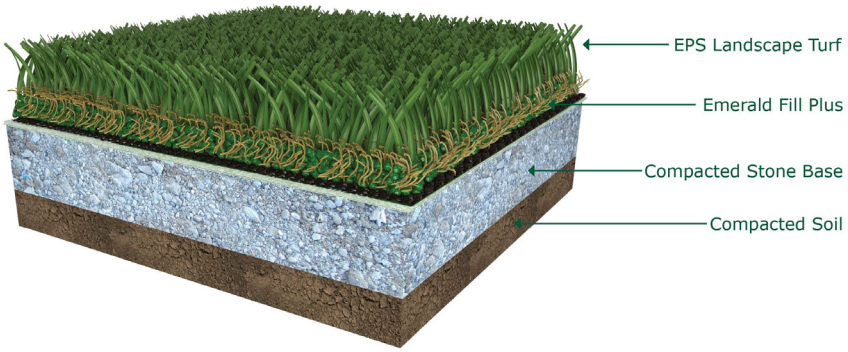
HOW TO INSTALL YOUR
LANDSCAPE TURF
2018 EDITION

Ewing Irrigation & Landscape Supply

Powered By: Challenger Synthetic Turf

TOOLS NEEDED FOR BASE PREP

EPS LANDSCAPE TURF SYSTEM



TOOLS NEEDED FOR BASE PREP:

- Shovel
- Rake (Example A)
- Garden Hose
- Hand Tamper (Example B)
- You will also need to rent a vibrating plate compactor (Example C)
- Wheelbarrow/Skid Steer



Example A: Rake



Example B: Hand Tamper



Example C: Plate Compactor

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EPS TURF

Powered By: CHALLENGER SYNTHETIC TURF

TOOLS NEEDED FOR INSTALL

TOOLS NEEDED FOR TURF INSTALL:

- Razor Knife/Carpet Knife (Example A)
- Stiff Bristle Broom, Turf Rake, Power Broom (Example B)
- Chalk Line (Example C)
- Landscape Nails
- Bender Board/Perimeter Edging (optional)
- Seam Tape
- Knee Kicker (Example D)
- CL Adhesive and 3/16” V-Trowel
- Hammer
- Drop Spreader (Example E)



Example A: Razor Knife/Carpet Knife



Example B: Power Broom



Example E: Drop Spreader



Example D: Knee Kicker



Example C: Chalk Line

EWING Irrigation & Landscape Supply

EPS TURF

Powered By: CHALLENGER SYNTHETIC TURF

DIRECTIONS

NOTE:

Your synthetic turf has been tightly wrapped and sealed. This minimizes damage that can occur during shipping. Due to the compression from wrapping, we recommend you allow the turf to “relax” prior to installation. To do this, you need to fully unroll and allow turf to acclimate at least 4-6 hours. It is best to leave the turf in as warm an area as possible or in the sun helps! Remember that your turf is extremely flexible and you want it as relaxed as possible for ease with installation.

STEP 1:

Measure and mark area where turf will be installed. You can use landscape paint to mark off the boundaries for your lawn. Synthetic turf comes in 15’ widths and pile direction is an important factor to take into consideration. All turf has a pile direction (direction that the fibers lay when roll is rolled up). The most desired views of the turf are either across the pile (turf running from left to right or right to left) or into the pile (turf coming towards you). The primary viewing points should be taken into consideration when determining pile direction and material amounts.

EXAMPLE:

If you are installing turf in your front yard you would like to have the turf look its best from the street view, the house toward the street, and from your driveway. The optimal pile direction to run your turf in this case would be from your neighbor’s property line towards your driveway. This will give you views across the pile from either the street or the house and views into the pile from the driveway.

DIRECTIONS

STEP 2:
Remove present grass and landscaping materials. Use shovels, sod cutter (you can rent one) or have your local landscaper perform this task.

STEP 3:
Remove sprinkler heads and close off sprinkler system. (Optional)

STEP 4:
Compact the ground under your synthetic turf. You need to fully firm up the ground that will be the foundation of your lawn. The best way to do this is to use a vibrating plate compactor or water roller. You will then add a sub-base on top of the compacted soil. It just has to be a very stable base under the turf. If your soil is sandy or does not compact, then washout can occur leaving you with valleys and ruts under your turf.

STEP 5:
If weeds are a problem in your area apply a weed and grass killer to the installation area. In some instances you may need to install a mesh weed barrier above the compacted soil and below the turf. This is not required in dry climates.

DIRECTIONS

STEP 6:
Sub-Base: Install 2” to 4” layer of rock aggregate of no more than 3/4” size stone. Your local nursery, rock yard or landscaping company can help you choose and will deliver this sub base. Make this base firm and level. If your soil is unstable, you may need more than 4” of sub-base. If you are not sure, ask your local nursery, landscape supply, or landscaper.

STEP 7:
Spread, level, and compact the sub-base. Use the vibrating compactor to compact at 2” intervals to fully pack the sub-base.

STEP 8:
Check for surface imperfections. Fill and re-level sub-base hills or depressions that are over 1/4”. Synthetic grass is designed and manufactured to drain so it is recommended that you give the sub-base a very slight slope away from structures to help rain water drain without pooling.

STEP 9:
Before you make your cuts be sure that your turf has been unrolled and had time to acclimate and relax. Measure carefully the sizes you need and cut as needed. Then, piece by piece, move the turf into installation position for final cutting. Do not drag the turf. Roll up and carry into position.

DIRECTIONS

STEP 10:
When cutting the grass to size, always use a sharp blade in a quality utility knife/carpet knife. Change blades regularly. To make the turf easier to handle, cut off larger pieces of excess turf that are needed. Position the turf where it needs to be and trim the edges more precisely.

STEP 11:
Seam the grass. Position your turf in place with your seam aligned. Drive temporary nails/spikes to hold turf in place. Begin to seam your grass with other pieces, there are several ways to seam your turf. NOTE: It is important to know the construction of the turf product you are installing. Some products have alternating yarn patterns known as an A/B stitch pattern where the A yarn is the face fiber and the B yarn is the thatch yarn. With these types of products, maintaining the A/B alternating pattern at the seam is critical. We recommend gluing seams over nailing seams. However, both methods are acceptable and Ewing offers landscape nails and seam kits that include the seam tape and glue. In extremely dry climates where there is little ground expansion and contraction you can use nails to do your seams. The seam kits that include the glue and tape can be used in all climates if the temperature is above 40 degrees Fahrenheit. Once first seam is complete leave temporary nail/stakes in place and use a knee kicker to stretch the turf in all directions away from initial seam. Repeat steps for each additional seam.

DISCUSSION:
This step is not as hard of a task as you might expect. In certain climate such as the desert or southwest, seaming can be done with nails. This also allows for accessing below the grass if

DIRECTIONS

needed without cutting or removing seams. Because synthetic grass has a relatively high blade height, seams are much less noticeable especially after infill is installed and the turf is properly brushed. If this is your first install, we suggest you try a few seams with excess turf you have. When nailing, slant the nails at an angle so that the nails pull the turf together. Remember: Always have the turf run the same direction. This means the blades of grass fall one direction so when seaming, make sure they point the same direction. When using seam tape or glue, follow the instructions on the glue bucket. Work with a few sample seams until you have it down. A seam tape glue kit is available from Ewing.

STEP 12:
Edging: You may choose to install edging around your new lawn. Options are incredibly varied and include bender board, extruded curbing, 4” x 4” timbers, paver stone edging, natural stone, rock, metal edging and plastic edging.

STEP 13:
Anchoring your turf: Once all your seams are completed you can trim the perimeter of your turf to fit the desired area. Secure the turf with landscaping nails every 6”-12” inches along the perimeter of your turf to prevent the edges from lifting. Make sure your nails are 4” to 6” long and you nail them in at an angle. Use care when nailing as to not pin down any of the fibers as this will be very noticeable and damage the blades. Remove any temporary nails/spikes as you secure the perimeter.

DIRECTIONS

STEP 14:
Apply an infill. After the seam glue has dried and/or the turf has been nailed down, using a standard drop spreader, apply the infill. The average infill amount is two to four pounds per square foot. Infill helps weigh the turf down, helps keep fibers upright, keeps the turf cooler and limits matting. Emerald Fill Plus Landscape Sand is recommended. Silica sand or other coated silica sands can be used. Emerald Fill Plus Landscape Sand is better as it will not clump or compact and will not absorb chemicals or urine and washes clean.

DISCUSSION:
It is a good idea to power broom your turf before you begin infilling to lift the fibers and allow the infill to drop into the turf easier. Using a drop spreader helps to evenly distribute the infill over your turf. After each pass with the spreader you should be brushing in the infill with a push broom or power broom brushing the fibers up to allow the infill to drop down into the turf. Using a power broom will make this process much easier and quicker. You should always brush against the pile of the turf to lift the fibers up. As you are brushing you should notice the fibers standing up more and more. Repeat this process until all the infill has been spread and has fallen into the blades being careful not to trap fibers in the process.

DIRECTIONS

STEP 15:
Water and Brush. Using a hose, water down the turf and brush with a stiff broom or power broom. Ewing also sells a special synthetic turf rake that can be used. When the turf is standing up, and the infill is leveled out, CONGRATULATIONS, YOU ARE DONE!

NOTE:
If you experience any problems with your turf, please contact Ewing or EPS Turf to ensure that the issue cannot be resolved by our customer service prior to returning the item.

Please visit our website www.epsturf.com for more detailed instructions, videos and information. Email us at info@epsturf.com or call 800-377-8873.