

Installation Guide

STEP 1. - EXCAVATION

Using an excavator, sod cutter or hand shovel, remove the existing grass and top soil. Excavate down far enough to ensure that adding 4" of gravel yields desired final height. If top soil is still present after 4" of excavation, the rest can be left in place. If it is a new home without sod and native ground, there may be no need to excavate down 4".

**NOTE- Desired final height is generally when the blades of grass are visible above the edging, and the backing is below.*

STEP 2. - PREPARE SUB BASE

Fill the excavated or prepped area with gravel. Rake the gravel area smooth. Ensure there is enough turf to cover the gravel area. Once confident in the area, wet and compact it using a small 200lb plate compactor. When laying turf beside a fixed concrete curb, the gravel should be $\frac{1}{2}$ " - $\frac{3}{4}$ " below top of concrete. The bottom of the turf will be below, and the top of the fibres will be above the curb.

HINT - Gravel type varies in each geographical area. There are multiple kinds of "gravel" that will work. A non-organic compactable base is recommended; ideally $\frac{1}{2}$ " minus crusher chips.

Smaller sized $\frac{1}{4}$ " minus is better as it will be easier to rake and tamper smooth on the surface. Conversely, using $\frac{3}{4}$ " minus (or Granular A) will



also work for base requirements, BUT it will be harder to rake smooth and the rocks may display through to the surface. Many installers top the ¾" gravel with 1" of screenings to achieve the smooth surface the turf requires.

**NOTE- drain rock, clear stone or pea stone will NOT work as they do not have the fines to "lock up" or create the firm sub base required.*



STEP 3. ROLL OUT TURF

Once the subbase layer is smooth and compacted, it is ready for turf. Roll out the turf in the desired direction.

HINT- The turf looks best when looking into the grain or nap. Once the turf is laid out on the gravel, begin cutting the turf into the desired locations using a general 18mm Olfa knife. If the project requires 2 or more pieces of turf it will involve seams; it is always recommended the grain of the product goes the same way.

STEP 4. SEAMING

The first step in seaming is to remove the manufactures flap on the edges of the product. Count in at least 3 stitch rows and cut down the stitch row to create a fresh edge. Repeat this step for all pieces of turf.



To begin seaming, the two edges should be very close together but not overlapping. A small 1/8" gap is preferred for maximum adhesion into the glue. Ideally, match the gauge of the product stitch row throughout the remainder of the product.

Once the two pieces are sitting side by side in desired location, roll turf edges back 6" on either side from seam and temporarily secure. Roll out seaming tape, pour glue and evenly spread with a 1/8" notched trowel.

Bring edges back together in a zipper fashion to ensure backing butts up nicely. Be careful not to get glue on grass blades. Depending on humidity and climate the glue will have differing dry times. During that time walk the seam but do not place heavy objects on top of the turf.



STEP 5. SECURING

Most projects require some spikes to secure the edges around the perimeter. We recommend 5" non-galvanized spiral nails to hold the product down. 6" is also acceptable.

HINT- Non-galvanized nails will oxidize and rust which bonds it to the subsurface creating a strong anchor. Rectangular sod staples are also acceptable. 5" or 6" galvanized nails are additionally acceptable but will not bond to the sub soil. Secure perimeter with spikes approximately 1' apart. You may spike closer together if it is a high wind or high traffic area.

STEP 6. INFILLING

There are many options for infill but the most common is 20/40 sieve sized filter sand. It is important the sand is clean and dry. Clean sand allows for drainage to occur, and dry sand allows for easier installation. Apply the sand/infill at a rate of 1.5lbs/sq.ft.

HINT- For approximately 300sq.ft of *installed turf*, spread 450lbs of sand evenly throughout the turf. Use a drop seeder and broom to brush in infill evenly.

**NOTE- For a pet area, a product call ZEOLITE can be used as infill in place of sand. ZEOLITE absorbs the ammonia from the urine and reduces the potential smell. For a pet and child friendly area, a premium infill product called ENVIROFILL is recommended as it has odour reducing properties and antimicrobial properties such as Microban® for further piece of mind. Contact your sales rep for more details.*



STEP 7. ENJOY!

You now have a beautiful lawn that you can enjoy for many years!

**NOTE- Recommended maintenance: It is recommended to be brushed or broomed annually to help stand up the fibres and remove airborne debris that can accumulate over the years and collect after winter.*