

## Artificial Grass Installation Guide

### Site Base Preparation

- Remove 2- 3 inches of existing sod and/or dirt.
- Cap and/or remove any sprinklers.
- Be sure to set a rough grade for drainage.
- Compact natural soil.
- Lay 2-3 inches of base material. (Material may vary regionally; however, it is like what is used for pavers)
- Hose down and then compact to 90%.
- Make sure base surface is as smooth as possible.
- Create a slight grade or crown for optimal drainage.
- Sculpt or create a crown for a more natural look
- Weed cloth can be used before laying down turf however is not recommended for installs that have Pets.

### Turf Installation

- Turf should be rolled out under the sun at least 1-2 hours before installation. This will allow the turf to acclimate and as a result make it easier to work with.
- Lay out turf onto base and position. Using a carpet knife/box knife, cut turf (on backside) to fit area.
- NOTE: TURF NEEDS TO BE INSTALLED WITH THE GRAIN FACING THE SAME DIRECTION- Check that stitch rows on back of turf run same direction, then run hand over turf – one direction soft and smooth, one prickly. All cuts of turf when installed need to have grain facing the same direction
- Fasten one end with 60-D nails of 6 inches in length, spaced 3-4 inches apart along the edges. Stretch turf and fasten with nails as you move across to the opposite end. Place a nail every 12-24 inches throughout center and every 3-4 inches along the perimeter.
- For seams, trim turf so stich row of 2 sides are equal to the rest of the piece. Fasten together any seams using artificial turf landscape staples spaced 2-3 inches apart.
- After turf is installed apply infill onto turf (1-2 lbs. per square foot: more traffic = more infill) using a drop spreader and spread infill as evenly as possible. Note: Never use regular sand (masonry sand) for infill.
- Broom vigorously against the grain so that the blades are standing upright. Use scissors to trim off the excessive turf blades. Clean the surrounding area with a blower or a broom.

### Tips for a Professional-Looking Install

- Make sure to properly compact the base material using a vibrating compactor or roller
- One yard of base materials will cover 100 square feet at 3-inch depth (1 Yard = 1 Ton).
- Prior to installation, lay turf out under the sun for at least 1-2 hours to allow turf to acclimate. This will make the backing less stiff and the turf easier to broom.
- Before any cutting of turf, check that the grain of turf on all pieces is facing the same direction.
- Check for any Window Reflection. Some windows can reflect sun at temperatures more than 180F. Most synthetic turf yarn has a melting point of 180-220F. Unfortunately, this is something that manufacturers of synthetic turf cannot prevent or warranty.
- Always stretch and install turf taut.
- Do not overlap seams.
- Never drive nails into base too far because this will create a noticeable dip.
- Always run grain of turf in the same direction. Use a 2x4 (straight line installation) or 1x2 (curve line installation) of synthetic or pressure treated wood bender board around the perimeter of turf area to frame and protect the turf from soil and debris.
- Use only sized screened silica sand or acrylic coated spherical sand for infill. Amount used will vary depending upon pile height of turf and. A 50 lb. bag of infill will typically cover a 25 to 50 sqft. of turf.

### Recommended Tools for Installation

- Wheelbarrow, Shovels, Picks, Grading Rake, Hammer
- Measuring Tape, Carpet Knife, Cutting Blades
- Drop Spreader (For Infill), Compactor (For Base), Stiff Bristle Broom (for brushing in infill and clean-up)

### Materials for Installation

- Base material
- 6" common nails
- Landscape Staples (SKU 1005132113)
- Infill Material: Envirofill™ Artificial/Synthetic Grass Infill with Microban Antimicrobial (SKU 1005132144). Depending on the pile heights, infill amount may vary (1-2lbs per square foot).
- Bender Boards: May be used when needed.