

Synthetic Turf Putting Green Installation Guide



Site Base Preparation

- Remove 4"-5" inches of existing sod and/or dirt.
- Cap and/or remove any sprinklers.
- Establish rough grade for drainage (slope/crown)
- Compact natural soil.
- Import 3"-4" inches of base material. (gravel/sand mix. Road base or 50-50)
- Install 1"-2" decomposed granite material for smooth top layer surface.
- Hose down and then compact to 90% with vibrating compactor machine
- Use marking paint to draw preliminary design of putting green shape. Allow for 1'-2' of surrounding fringe turf for perimeter outline.
- Place cup sleeves in the location they will be installed on top of base.
- Sculpt or create varying levels and or breaks for challenging design.
- Dig out cup holes and install cups and tamp and compact surrounding cup base and leave exposure of 1" above ground. Cups can be installed with a quickcrete material for more permanent stability.
- Secure perimeter putting turf area with 3" finishing nails to hold in place.

Fringe Turf Installation

- All Turf should be rolled out under the sun at least 1-2 hours before installation. This will allow the turf to acclimate and relax and as a result make it easier to work with.
- Lay out fringe turf around putting green and position to match shape as needed. Using a carpet utility knife/box knife, cut turf (on backside) to fit area.
- Fasten with 60-D nails of 5" inches in length, spaced 3-4 inches apart along the edges.
- Fasten together any seams using 60-D nails spaced 2-3 inches apart and U-shaped landscape staples for seams.

Infill Sand Application for Putting Green and Fringe

- For putting green use the finer #90 silica sand and apply evenly throughout surface with a seed drop spreader.
- Broom vigorously back and forth and work sand into the putting green material evenly around the entire surface.
- Apply sand using several applications using a one layer at a time approach in order to achieve ideal depth of sand and uniform coverage.
- Most poly putt surfaces require 1-2 lbs of sand per square foot for ideal depth, speed and even ball roll performance.
- For fringe turf use 2-3lbs per square foot of Envirofill or #30-60 silica sand and broom in against the grain with power brush or stiff bristle push broom.
- Use a full water roller to roll the entire putting green surface several times to help flatten the fibers and to achieve a faster and smoother ball roll.
- Use sprinkle hose water application after infill and rolling to help settle and compact and compress sand more effectively.
- You may return after several days once the sand has dried to either apply another thin layer of sand and roll and wet again if desired ball roll and speed (stimp) is not initially achieved.

Tips for a Professional-Looking Install

- Make sure to properly compact the base material using a vibrating compactor or roller
- 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.
- 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.
- Recommended to use a 2x4 (straight line installation) or 1x2 (curve line installation) of bender board around the perimeter of turf area to frame and protect the turf from soil and debris intrusion.

- **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.**

Recommended Tools for Installation

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

Materials for Installation

- Base Material (1 Cubic Yard covers approx. 100 sqft @ 3" deep)
- 5" or 6" common nails for fringe (Approx. 3-4 lbs. per 100 sqft)
- 3" finishing nails for putting green perimeter.
- Landscape Staples (depending on seam length – every 2-3 inches). Staples may be used in place of nails.
- Infill Materials: #90 silica sand for putting green. Envirofill for fringe. Depending on area use, infill amount may vary (1-2lbs per square foot). The more traffic and use, the more infill that should be applied.
- Bender Boards: May be used when needed to outline turf/putting green areas.