



# Tru-Turf

*"A Greener Solution"*

## **Direct Sticking or gluing artificial turf to concrete isn't as easy as it looks.**

### **Prepare the concrete surface**

The concrete surface must be clean and prepared properly to ensure that the adhesive/glue will penetrate and provide a strong bond for years to come. Removal of stains, gum, grease, oil, will prevent the adhesive from delaminating.

Prior to the delivery of the synthetic turf, it is important to take all measurements and provide a drawing or plan of the areas to be installed. Create a list of materials and tools that will be needed for the "Glue Down" application. We recommend having all materials and tools onsite prior to the installation. Once the installation starts, it is very annoying and unproductive having to stop and run to get materials and tools.

The drawing /plan that you have created for the layout of sections of artificial turf should start where the joins/seams are. We recommend snapping a chalk line on the concrete surface at the center of all joins/seams and external edges. This will allow the installer to understand the process throughout the installation and use this colored line as a reference

Remove salvage edge from the rolls and trim the colored rib (directional edge), place the first piece of grass with the edge/seam on the chalk line. Place 20kg infill bags closely together approximately 500mm away from the edge of the join/seam. The bags should be placed the entire length of the section that is to be joined/seamed. This will prevent the section of turf from moving while working on section two. Take section #2 and install "dry join/seam against section already in place. Place 20kg infill bags closely together approximately 600mm away from the edge of section #2 and the entire length of the section. Double check both sections to make sure they are ready and in position to place adhesive/glue.

The best application for the Grass adhesive is the application of pressure to the 2 surfaces being adhered. The "stitch lines" on the back of synthetic turf are elevated from the backing itself. Properly adhering artificial turf to any surface requires compressive force after the adhesive/glue is applied. It is imperative that the adhesive/glue reach the backing of the synthetic turf and not just the stitches. We recommend the use of a 3-4mm notch trowel.

### **The #1 failure of adhesive/glue in the artificial turf industry**

1. No weight/force was applied
2. Inferior Adhesive/Glue
3. Lack of Adhesive/Glue or it was applied too thin
4. Adhesive/Glue dried out prior to installation of synthetic turf

Once the first two sections are in place and the seam is secure, fold both sections #1 and #2 back approximately 600mm for each section. Doing this will expose 1m of the concrete surface. Using a 3-4mm notched trowel, spread Urban Turf grass Adhesive (or similar) evenly to the exposed 1m concrete surface the entire length of the two sections. Spreading the adhesive/glue too thick will allow the adhesive/glue to come up through the join/seam and/or drainage holes. Depending on the surface porosity and temperature it is best to place adhesive/glue in a timely manner. If the adhesive/glue starts to dry before you can place the seam together it will cause future delamination and join/seam rupture. We recommend to spread the glue at a rate that is comparable to the conditions you are working in. This will give your installers enough time to connect the joins/seam before it starts curing. Once the adhesive/glue is spread evenly, connect the two sections

together and secure by placing 20kg sand bags next to each other and on top of the center of the seam. Allow the bags to sit for approximately 30-45 minutes checking the join/seam periodically. Once the two sections are joined together and cured, fold back section #1 until reaching the point of adhesive/glue. Place adhesive/glue on the concrete surface approximately 1m the entire length of section. Slowly roll section #1 down on the glued surface. Use a water roller and slowly roll the top of the synthetic turf over the glued area. Follow these steps for the next 1m of glue down until you have reached the end of section #1. Do not glue past the next seam line. Fold back section #2 and repeat the steps above until you have reached the outside edge/join of section #2. Do not glue past the next join line. Now that section #1 and section #2 are completely glued to the concrete surface, you have completed your fist glued join. Repeat these steps for all other sections that are to be connected and adhered to the concrete surface until you reach the exterior of work area.

### **Adhering the edges are very important**

When adhering synthetic turf on concrete it is very important to give attention to the outside perimeter edge line. The external edges are the first to fail when it comes to artificial turf "Glue downs". Make sure you place adhesive evenly and apply weight after placement.

