DIY Installation for Dig and Fill and Fill Only

Tools and Materials Required:

1. **Tools:**

   - Shovel and wheelbarrow

   - Rake

   - Measuring tape

   - Spirit level

   - Utility knife with a sharp blade

   - Power compactor or plate compactor

   - Broom or power broom

   - Sand spreader

   - Hammer

   - Garden shears or scissors

2. **Materials:**

   - Synthetic grass rolls

   - Weed barrier fabric (weed mat)

   - Crushed rock aggregate (10-20 mm size)

   - Crusher dust (fine layer for smooth base)

   - Joining tape or adhesive

   - nails

   - U-pins or turf spikes

   - Sand infill or ZeoFill® (optional for added durability)

   - Edging material (timber, plastic, or metal)

Step 1: Preparing the Base

1. **Excavate the Area:**

   - Remove existing grass, plants, and soil to a depth of **80-100 mm**.

o   Ensure the ground is free of roots, rocks, and debris.

2. **Install Edging (If Required):**

    o   Add timber, plastic, or metal edging around the perimeter to keep the synthetic grass in place.

3. **Add and Compact Base Material:**

    o   Spread a layer of crushed rock (about **70 mm** thick) evenly over the area.

    o   Compact it using a plate compactor until it is firm and level.

    o   Add a finer layer of crusher dust (**30 mm**) on top to create a smooth surface, then compact again.

4. **Check Levels and Drainage:**

    o   Use a spirit level to ensure a slight gradient for water drainage (1-2% slope is recommended).

5. **Lay Weed Barrier:**

    o   Spread a weed mat over the entire area to prevent weed growth under the grass.

Step 2: Laying the Synthetic Grass

1. **Roll Out the Grass:**

    o   Lay the artificial turf on the prepared base. Allow it to settle for a few hours under the sun to remove wrinkles.

2. **Align the Grass:**

    o   Ensure the pile direction (grass fibers) faces the most viewed area for a natural look.

3. **Cut and Trim:**

    o   Use a utility knife or garden shears to trim the edges of the grass, ensuring a snug fit around corners and obstacles.

4. **Join Multiple Rolls:**

    o   If using multiple pieces of turf, use joining tape and adhesive or self adhesive joining tape to secure them. Ensure the seam is invisible by aligning the fibres properly.

- Use U pins ever 30cm – 40cm along the joint to secure the grass to the joining tape

5. **Secure the Grass:**

   - Use U-pins or turf spikes to anchor the grass along the edges and at intervals of 30 cm – 40cm along the perimeter and few in the middle.

Step 3: Applying Infill and Final Touches

1. **Add Infill:**

   - Use a sand spreader to distribute graded sand or ZeoFill® evenly across the grass. This step provides weight, stabilizes the turf, and helps maintain its upright appearance.

   - Recommended infill depth: Check product spec sheet

2. **Brush the Grass:**

   - Use a stiff-bristle broom or power broom to brush the grass fibers upright and evenly distribute the infill.

3. **Clean and Finish:**

   - Hose down the surface to remove any dust or debris from the installation process.

   - Check for any loose edges or gaps and make necessary adjustments.

Tips for a Successful Installation:

- **Weather Considerations:** Choose a dry day for installation to avoid complications with adhesives or compacting.

- **Protective Gear:** Wear gloves, safety goggles, and sturdy footwear for safety.

- **Planning:** Measure and plan your layout carefully to minimize wastage of synthetic grass.

By following these steps, you can install synthetic grass that looks natural, stays in place, and lasts for years.

DIY Guide: Installing Synthetic Grass on a Concrete or Solid Surface

Installing synthetic grass over a concrete or solid surface is a straightforward process that can enhance the look and feel of your space. This guide will walk you through the steps to achieve a professional finish.

Materials and Tools Required

1. **Synthetic Grass Rolls** (measure your area and select the correct size: 4m or 2m wide rolls)

2. **Adhesive** (suitable for outdoor use) or **Commercial Graded Double-Sided Tape**

3. **Joining Tape** (if multiple rolls are required)

4. **Utility Knife** (for trimming the grass)

5. **Measuring Tape**

6. **Straight Edge or Ruler** (for precise cutting)

7. **Broom or Brush**

8. **Heavy Roller** (optional, for securing adhesive)

Step-by-Step Installation

Step 1: Clean and Prepare the Surface

- Sweep/ blow the concrete surface to remove all debris, dirt, and dust.

Step 2: Plan the Layout

- Measure the area carefully and plan the positioning of the synthetic grass rolls.

- Ensure all rolls are laid in the same pile direction to achieve a consistent and natural look.

- The pile should face the most visible side, such as a patio, balcony, or the main entrance.

Step 3: Cut and Position the Grass

1. Roll out the synthetic grass and let it rest for a few hours to allow any creases to flatten.

2. Cut the grass to fit the area using a utility knife, leaving a slight overhang at the edges for final trimming.

3. If multiple rolls are required, lay them side by side, ensuring the pile direction matches. Allow the edges to slightly overlap.

Step 4: Secure the Edges

- **Using Adhesive**:

  1. Apply the adhesive evenly along the edges of the grass in the center as spots for extra hold.

  2. Press the grass firmly onto the adhesive, ensuring there are no air bubbles.

  3. Use a heavy roller (or your hands with pressure) to secure the grass in place.

- **Using Double-Sided Tape**:

  1. Place the tape along the edges of the area and in strips across the center for additional support.

  2. Peel off the protective backing, press the grass firmly onto the tape, and smooth it out.

Step 5: Join Multiple Rolls (if needed)

1. Align the edges of the grass rolls carefully, ensuring the blades meet seamlessly.

2. Use joining tape underneath the edges, applying adhesive to the tape or using self adhesive joining tape.

3. Press down firmly to secure the join and brush the grass to blend the seam.

Step 6: Final Trimming

- Trim any excess grass along the edges using a utility knife.

- Ensure the grass fits snugly around obstacles like posts, walls, or curved edges.

Step 7: Brush and Clean

- Use a stiff-bristled broom or brush to lift the grass blades and give it a natural look.

- Clean the surface by hosing down any dust or debris, if necessary.