

CALI[®] turf



CALI Turf Torrey Pines

Installation Guide

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CALIfloors.com

Turf Collection

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Turf System



Turf Dimensions:
82" L (Custom Lengths Available) x 13' W



Envirofill with Microban



Self-Adhesive Seaming Tape



Galvanized Turf Stakes

P.A.C.E. and Pre-Installation

INSTALL GUIDE

PACE PREPARE THE SUBBASE

Proper subbase preparation is an essential step to ensure the turf has a smooth appearance and adequate drainage. The subbase should be stable, even, permeable, and have a load bearing capacity.

PACE ACCLIMATE

The best temperature to install the turf is between 50° F and 75° F. We recommend rolling out the turf in the morning and letting it acclimate until the afternoon before making any final crosswise cuts.

PACE CONNECT TO THE SUBBASE

Secure the turf around the border by placing stakes every 12" around the border and at seams. Place the stakes in between the stitch rows to make them less visible. Stakes should also be placed throughout the interior of the turf.

PACE ENVIROFILL

Add Envirofill with Microban using a drop spreader to complete the install. While infill is not required, it's use has several advantages such as supporting the fibers so they stand up longer and adding extra stability, preventing movement. Envirofill with Microban also helps to reduce pet odor.

Each installation is unique. These guidelines are general and will not apply to all installations. Proper installation and maintenance are key elements in achieving best turf results. Consult with a professional installer to determine the best installation method for each install. It is up to the installer to ensure a successful install.

Turf Pre-Installation

Note: Turf not used for its intended purpose will not be covered under warranty.

- The installer/owner assumes all responsibility to inspect all turf before installation. If there are any concerns with quality, do not install the turf. Immediately contact the distributor/retailer from which the turf was purchased. No claim will be accepted for materials with visible defects once they are installed. Installation of any material serves as acceptance of the material delivered.
- Rolls of turf should be from the same lot in order to prevent color variation. Check the lot number on the packaging of each roll prior to installation. If different lot numbers were delivered on one sales order, do not install and contact the distributor/retailer from which the turf was purchased. Cali is not responsible for color variation due to multiple lots being installed.
- Before installing, check to ensure the correct material and size turf was provided. No claim will be accepted for improper fulfilments once the turf is installed. If there is any issue with what was provided, immediately contact the distributor/retailer from which the turf was purchased.
- It is the responsibility of the installer/homeowner to determine if the job site conditions, environmental conditions, and subbase are acceptable for the installation of CALI Turf. CALI makes no warranty or guarantee of the quality of the chosen installer's work or of a particular installation performed by him or her. CALI disclaims all liability for any errors or improprieties in the installation of its products by an installer.

Transport, Storage, Acclimation

- Rolls of turf should be transported and stored horizontally on a flat surface.
- Never fold pieces of turf, even momentarily. Folding the turf can cause creases which may be visible after installation.

- If installing turf with seams, the seam tape and turf backing both need to be dry. Do not install during rainfall and allow the turf to dry before installation if stored in a wet location.
- The best temperature to install the turf is between 50° F and 75° F. We recommend rolling out the turf in the morning and letting it acclimate until the afternoon before making any final crosswise cuts. If the temperature is out of that range that's okay! Thanks to the double backing, CALI turf experiences very little expansion or contraction. However, to ensure no gaps or wrinkles, if installing outside of those conditions we recommend waiting until the temperature is within range to make the final cuts and secure the crosswise ends.
- When turf shrinks it will only do so lengthwise, so it won't affect the connected pieces of turf. We recommend connecting the pieces while the turf is acclimating.

Recommended Tools

- Garden edging
- Vibratory Plate Compactor
- Hand tamper
- Geotextile (landscaping or weed block fabric)
- CALI Turf Self-Adhesive Seaming Tape (if two pieces of turf will be seamed together)
- Sharp utility knife
- Measuring tape
- Hammer
- CALI Turf Stakes
- A stiff broom or power brush
- Hose
- Optional: infill sand such as Envirofill with Microban plus a spreader

Pre-Installation Preparation

Make an Installation Plan

Measure the number of square feet to determine how much turf is needed by making an installation plan. Take the following into consideration:

- Always lay different pieces of turf in the same direction. Artificial turf is best viewed against the grain, for instance from the patio, deck, or terrace.
- If there's a walkway, use steppingstones to form that path. This will prevent the turf from flattening over time.
- When measuring, take into account about 4" of loss from cutting at every side

Prepare the Subbase

Proper subbase preparation is an essential step to ensure the turf has a smooth appearance and adequate drainage. The subbase should be stable, even, permeable, and have a load bearing capacity.

To get started, follow the steps below:

- Remove the existing grass or plants and dig until about 5" deep.
- Cap or remove any existing sprinklers at the pipe level and move any existing wiring away from the perimeter to prevent damage.
- We do not recommend installing turf directly on dirt so spread a layer of about 4" of crushed miscellaneous base (such as crusher dust, crushed rock, crusher run, decomposed granite, etc). The crushed miscellaneous base (CMB) should be selected based on what will provide maximum stability and proper drainage for the specified install.

Quick Tip: While 4" of CMB is most common, the amount of CMB will ultimately depend on the pile height of the turf. Typically, the subbase should sit $\frac{3}{4}$ " under the border. In general, it looks best if the top of the turf sticks out at least one inch above the border.

- If there is no border yet, place one all around the perimeter using garden edging. This border will make sure the turf stays in place and will prevent the backing from being seen. It's best not to lay the turf adjacent to soil to prevent dirt from ending up on the lawn.
- Use a compactor to compact the subbase ensuring both the install area and the perimeter are well compacted. A hand tamper can be helpful for tight corners and edges. Moisten the subbase first so it can become more compact.
- Flatten the surface with something long and straight such as an 8' level or 2'x4'. This is an essential step as any unevenness can be seen and felt in the turf and is difficult to fix. The subbase needs to be as smooth as possible. Take time to look for any high spots or low spots.

Note: *It's up to the installer to ensure the subbase is even and has adequate drainage. The subbase material and height may vary from install to install.*

Install Geotextile

While not required, installing geotextile (landscaping or weed block fabric) offers two great advantages. The geotextile will help keep the subbase completely sealed so weeds cannot grow through the drain holes of the turf. Geotextile also offers extra support and protects the subbase during the installation of the turf.

Ensure the geotextile used is woven and permeable.

Always refer to the manufacturer's recommended installation guidelines. In general:

- Unroll the geotextile on the levelled subbase. Tip: spraying the subbase with water first can help the geotextile stick to the ground and not blow away as it's being laid.
- Make sure it's connected with all the edges. The edges are usually the areas where weeds grow.
- Ensure the different strips of geotextile overlap each other by at least 4".
- Secure the geotextile with stakes in several places and trim the edges to fit within the install area.

Quick Tip: If weeds are a big concern, in some installs it may be best to install two layers of geotextile to prevent weed growth: one between the dirt and subbase and one between the subbase and the turf. In other installs, including areas that will be used by pets, it may be best to forego the geotextile all together as some fabrics can absorb pet odor.

Note: *It is up to the installer to determine the best method of geotextile application for each unique install.*

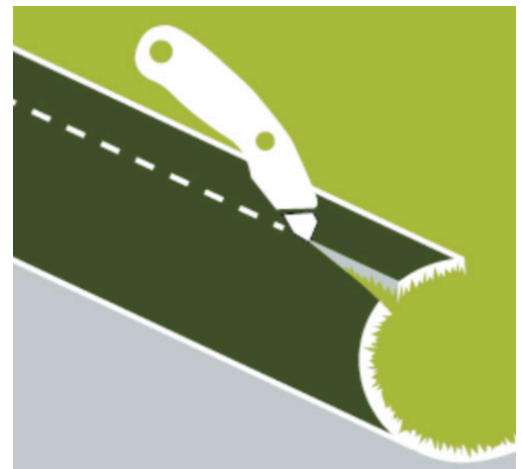
Some Tips Before Getting Started

Double Check!

- Check the dimensions of the turf and install area before cutting to ensure no measurement errors.
- Check the subbase to ensure the edges of the subbase are flat and don't peak or dip along the perimeter.

Cutting Turf

- Use a razor-sharp utility knife.
- Cut from the back of the turf. This will help prevent cutting through the turf fibers and will enable the stitches to act as guidelines for straight cuts.
- Hold the utility knife at an angle which will prevent the fibers of the turf from becoming damaged.



Installation

INSTALL GUIDE

Installing Cali Turf without Seams

1. Cut the roll to size according to the installation plan and bring to the install area.
2. Unroll the turf, being careful not to drag the turf across the levelled subbase. Ensure the turf is rolled out smoothly without any bumps or folds.

Quick Tip: Turf is best viewed against the grain so consider this when choosing from which side to unroll the turf.

3. Ensure 4" of space is kept at the crosswise edges for cutting.
4. If there is a lot of turf left at the side edges, cut until there's an overlap of approximately 4". If the overlap is too big, it will be difficult to pull the turf tight.

Installing Cali Turf with Seams

1. Cut the roll to size according to the installation plan and bring to the install area
2. Unroll the turf being careful not to drag the turf across the levelled subbase. Ensure the turf is rolled out smoothly without any bumps or folds.
3. Ensure 4" of space is kept at the crosswise edges for cutting.
4. Always join the pieces of turf before trimming to size. If there is a lot of turf left at the side edges, cut until there's an overlap of approximately 4". If the overlap is too big, it will be difficult to pull the turf tight.



5. On some rolls, the backing will protrude about 2" on each side. When trimming to size, cut this 2" protrusion plus at least two rows of fibers. Make sure to cut as close to the stitch line as possible.
6. Roll back the edges of the two adjacent rolls and cut both rolls along the second row of fibers. To help reduce the appearance of the seam, ensure the backing left on the rolls is equal to one stitch line. This can be done by cutting both rolls against the stitch line but leaving one stitch row of backing on one of the edges. Remember: always cut from the back of the turf and hold the knife at an angle, away from the fibers, to avoid cutting the fibers!
7. Roll the edges of the turf back down, ensure there is no tension, and thoroughly check the entire seam line to ensure it's straight and there are no gaps or overlaps. This is an essential step in preventing a noticeable seam line.

8. After preparing the seam, place sandbags (or other heavy object) on the turf to prevent the pieces of turf from shifting.



9. Open the seam and roll out the CALI Self-Adhesive Seaming Tape with the self-adhesive side up.



10. Make sure the tape is in the center of the seam and then close the seam. Again, ensure the two pieces are evenly lined up with no gaps or overlaps.

11. Roll back the pieces back in parts of approximately 8" stretches. First remove 8" of the coating of the seam tape, then roll back 8" of the turf and move on to the next 8". Ensure none of the turf fibers on the side of the turf stick to the tape, this will remain visible.

12. Once the entire seam has been taped, press the turf into the tape again by walking over the seam. Be cautious not to open the seam.

13. Insert stakes every 12" on both sides of the seam. Carefully place the stakes in between the fiber rows to make them less visible.



Secure the Edges and Interior

1. Cut the turf to size along the borders.
2. Secure the turf around the border by hammering stakes every 12." Carefully place the stakes in between the fiber rows to make them less visible.
3. Insert stakes throughout the interior of the turf. If the turf will be used intensively, insert every 2 feet in each direction. If the turf will be more decorative, every 3-4 feet in each direction. It is up to the installer to determine the appropriate number of stakes for each unique install, in some cases more stakes may be needed. **Note: Do not adhere any turf to the edging border. The turf needs some space to shrink or expand.**

Brushing and Infill

1. Remove cut off fibers using a leaf vacuum.
2. Carefully brush the turf against the pile direction so the fibers strand up straight. This will help the infill spread better and allow the infill to easily drop to the bottom of the fibers. A power broom is the quickest method, but a turf rake may also be used.



3. At least an hour after gluing the seams, add Envirofill with Microban using a drop spreader. This should be done only when it's dry. Each style of turf will have its own infill spread advice depending on the pile height. Refer to the product specifications. **Note: While infill is not required, it's use has several advantages such as supporting the fibers so they stand up longer, and adding extra stability, preventing movement. Envirofill with Microban also helps to reduce pet odor.**
4. Brush the turf against the pile direction again making sure the infill drops to the bottom of the turf. Be careful brushing the seams to ensure they don't come apart.