

BONITA SYNTHETIC TURF INSTALLATION GUIDE

- ONTO CRUSHED ROCK BASE



1/ Mark off the area that you will install with an outdoor spray can marker. Consider the dimensions of your Bonita Turf (the actual width is 3.66m after removing manufacturing trim) when planning the layout, this can reduce the amount of seams required and will save you time and money.

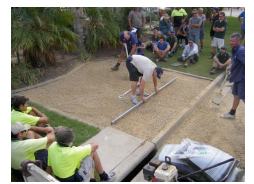
2/ Remove sod, you will need to remove approximately 75mm to 100mm of soil. Ideally, the sub base will be pitched slightly towards the best direction to allow for water run-off. After the sub base and Bonita Turf are installed, the edges of the synthetic grass will be even with the surrounding landscape.



3/ Fix treated timber edging (optional) around perimeter 3-4" x 1 3/4", fix in place using treated timber stakes. Cap Sprinklers and turf off valves and compact the existing ground with a vibrating plate compactor/Wacker. Spray weed/grass killer and place a weed barrier mesh down (optional).



4/ Sub-Base: It is important to ensure the sub-base is completely dry before laying any crushed rock to reduce settling and ensure proper compaction for the surface. Once you confirm that the sub-base is dry, spread and level 20mm size crushed rock to an approx depth of between 50mm and 100mm. Then compact with vibrating compactor plate. Then add a top layer of crusher dust or a 5mm crushed rock approx 25mm in depth (this is so you don't feel any protruding rocks when you walk on your Bonita Turf) -In some locations where soil is especially unstable you may need up to 100-150mm of base material; ask your sand and metal distributor for localized expert advice. Please note if more than 100mm of base material is used, you will also need to increase the amount of soil removed.



5/ A finishing sand layer is required to stop any protruding rocks pushing through the Bonita. Spread a fine layer of sand (approx. 2-5mm with an ordinary drop spreader) on the surface to make it level. For smaller areas bags of sand are available from Hicks Instant Turf. You may also use a water-filled (100 L) turf roller for a more even finish.

6/ Check surface for depressions. Any depression areas 10mm-20mm or deeper should be filled-in and re-leveled. Although the Bonita drains vertically through the manufactured drainage holes it is still advisable to give the sub-base a slight run-off or crown, this will avoid water pooling (slope away from buildings and towards garden beds or drainage areas).

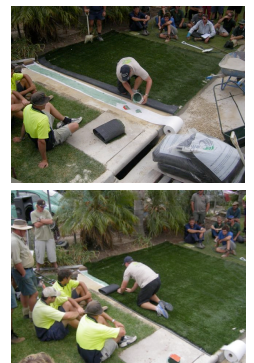


7/ Roll out the synthetic turf onto the proposed area, be accurate as so you don't cut off turf you actually need. Note: Try to avoid dragging the turf as this may dislodge some the crushed rock and/or sand surface.

8/ Cut the turf - measure twice and cut once! Cut off the manufacturing strip so it's easier to work with. Always use a sharp blade in your utility knife. Make sure turf is still positioned where it will lie. Now, trim turf more exactly with straight lines. For optimal performance and beauty, make sure the turf is installed exactly over the prepared based.



9/ Seaming. Where two pieces of turf come together you will need to make a seam. It's really not that difficult as the Bonita Turf is a tall variety and the seams are less noticeable than that of short pile turf. The seams are simply glued together with synthetic grass adhesive and 300mm wide seaming tape, available at purchase. At the joining seam, the 300mm wide piece of seaming tape should be cut to the length of the seam. The turf is laid seam to seam to ensure it fits tightly together before it is glued. Note: The pattern of turf stitching on the under side must run in the same direction before the two pieces are adhered. Both sides of the turf at the seam must be pulled back in order to install the seam tape. Note: Before adhering both pieces ensure that both edges have been properly trimmed and will match up perfectly. Lay the seam tape down on the base directly between the two pieces of turf that are to be joined. Apply gluing compound to the entire piece of seam tape with a notched trowel. Allow the adhesive to 'go off' for a minute or two. Place one side of the turf in the middle of the tape (approximately 150mm) to the center of the tape. Lay the other side of the turf over the middle of the seam tape to match up exactly to the turf that has just been adhered to the tape. Mesh the fibers together with fingers or brush, making sure not to glue fibers down. Note: Allow 24 hours for glue to properly dry. The following procedures can be administered during the drying time.



10/ Infill preparations - Once glue has dried, trim off turf so your lawn fits as desired. Next, it is a good idea to nail the perimeter every 500mm-800mm with nails (80-120mm length). In order to prepare to infill the turf, rake or power broom the turf in the opposite direction that the turf is laying on the roll. This will allow the infill material to infiltrate the turf rapidly and prevent turf blades from getting trapped under the fill. The infill process will now commence using a standard seed drop spreader with either sand (preferably kiln dried silica sand) and then crumb rubber, about 10mm of each. This will help to weigh the turf down, and stabilize the fibers so as to avoid "matting". It is possible to use 100% sand infill if budget constraints are an issue. Finishing with the rubber gives a better depth of colour and rubber is more shock absorbent than sand, so choose what you can afford and prefer, although it is advisable to have at least the top half in rubber infill. As a general rule of thumb, approximately 7-10 kilograms of sand per m2 is ideal. Then the crumb rubber infill, use rubber at approximately 5 kilograms of rubber per sq metre. Spread the infill in several passes. As you spread the infill you should make one entire pass on the surface then sweep it down into the fibers, repeating the process until all of your infill has been spread.

Disclaimer

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