

Think DIY

Installing synthetic turf is not difficult, however careful preparation of the ground and base is required to ensure that your turf is installed well and looks its best. Follow the installation guide below to enjoy a long lasting beautiful lawn for many years to come.

Existing Lawn

- 1) **Mark out the installation area.** This can be done with an outdoor marker paint. Remember installation needs to be planned taking into account the 3.7 widths of turf to avoid excess seams and off cuts.
- 2) **Remove all existing turf and soil.** Dig out the existing lawn area to the specified depth of 100mm. Set up string lines to go across large lawn areas to check your depth.
- 3) **Compact the existing ground.** To ensure an even surface, you need to start with a solid foundation. The best way to fully firm up the ground is with a plate compactor or heavy roller. With this step the aim is to make the base firm and contoured as required.
- 4) **Timber edging.** Using H4 treated 25x100mm timber, install the frame around the outside of the lawn area making sure you leave it 15mm down from the finished height. When you have completed your timber frame, fix it in place using 300mm long pegs by nailing it against the timber frame every meter. Make sure the peg is below the timber frame height, and before nailing the timber to the pegs ensure you check the frame is at the correct finish height!
- 5) **Lay the sub-base.** The sub-base needs to be 75mm of AP20 base course. Spread the base course evenly over the area and compact with plate compactor or heavy roller. Before installing any basecourse be sure to remove any mud or dirt that may be around. Install the AP20 to your lawn in layers making sure you compact each layer as it goes in. Sprinkle water over the basecourse, to assist in creating a firm, hard base. Rake, compact and level until you are satisfied then leave the compacted AP20 15mm down from the top of the timber frame.

- 6) **Lay an additional 15-20mm of crusher dust (GAP 7).** As per step 5, spread over area evenly and compact using a plate compactor to firmly compact the base, bringing it up level to the timber edging. Once you have reached your desired levels and contours give the bedding sand a sprinkle of water and compact one final time. Using a levelling bar, run it across the top of the basecourse, to remove any high spots and spread them into any low areas in the lawn area. If desired give the base course another compact.
- 7) **Check for surface depressions.** Any based depressions that are more than 10mm deep needs to filled in and re-leveled. Even though the synthetic turf drains water vertically though drainage holes built in, it is recommended that the base is given a very slight slope away from buildings and towards the storm water drain to avoid any pooling in heavy rain falls.

Your ground preparation is now ready to lay the synthetic leisure turf.
- 8) **Grass is rolled out.** It needs to be positioned strip-by-strip as accurately as possible. Mark out 3.7m from the straightest edge to see exactly where your piece of turf needs to be, and also helps if you are gluing two or more pieces together. Make sure you have 50-100mm of overhang on all sides as this helps with the trimming in procedure.
- 9) **Grass is cut to size** (using a very sharp blade in a quality utility knife). Cut from the back of the turf, not the front.
- 10) **If the installation covers a larger area, grass is seamed in areas** where two pieces meet. This can be done with an outdoor synthetic turf glue and landscaping fabric tape, or DIY adhesive tape. After the seam join has dried, grass is trimmed around the edges using a utility knife, and glued & nailed to the timber edge.
- 11) **Infill of silica sand is then applied using a standard drop spreader.** Refer to product specifications for the recommended infill amount for your selected turf. This infill helps to weigh down the turf and hold it in place, plus stabilize the fibres to keep them upright and prevent matting.
- 12) **Sit back, relax and enjoy your lawn.** 😊

If you have any questions please contact
Think Turf on 04 939 6950

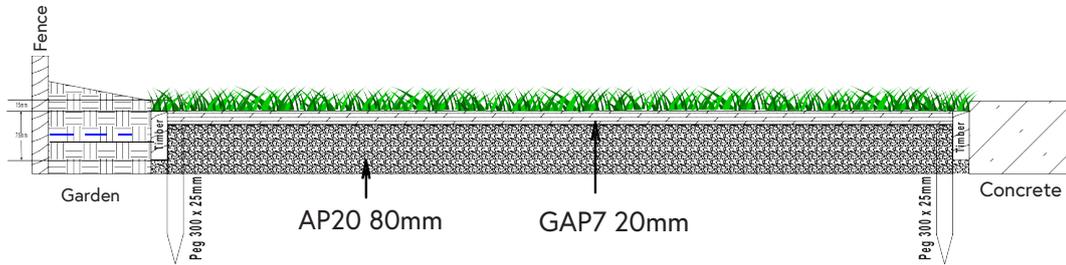
Laying directly on a deck, or hard surface

- 1) **Ensure the surface is clean & smooth.** A levelling compound may be required to remove unevenness or patch holes. Alternatively our turf underlay may be a better option to even out the surface and provide a smooth soft surface to lay the turf on to.
- 2) **Grass is rolled out.** It needs to be positioned strip-by-strip as accurately as possible. Mark out 3.7m from the straightest edge to see exactly where your piece of turf needs to be, and also helps if you are gluing two or more pieces together. Make sure you have 50-100mm of overhang on all sides as this helps with the trimming in procedure.
- 3) **Grass is cut to size** (using a very sharp blade in a quality utility knife).
- 4) **If the installation covers a larger area,** grass is seamed in areas where two pieces meet. This can be done with an outdoor synthetic turf glue and landscaping fabric tape, or DIY adhesive tape. After the seam join has dried, grass is trimmed around the edges using a utility knife, and then glued down around the edges or nailed down directly to timber.
- 5) **Infill of silica sand is then applied** – refer to product specifications for the recommended infill amount for your selected turf. This infill helps to weigh down the turf to hold it in place and stand the yarn up.
- 6) **Sit back, relax and enjoy your lawn.** 😊

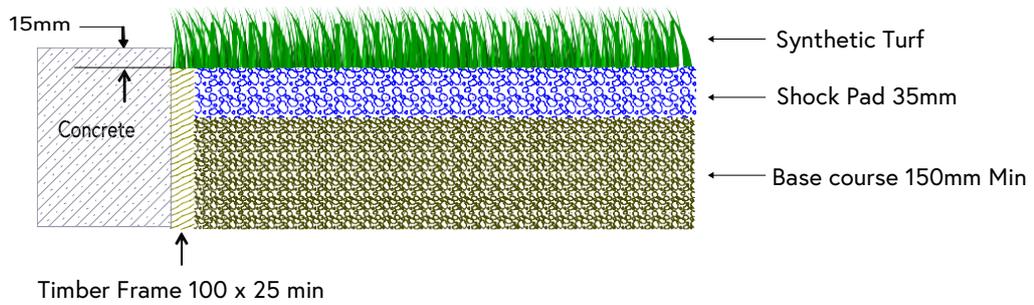
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Cross section info

Synthetic Turf install (typical)



Playground installation



Installation over hard surface

