

SyntheTurf

Composition

SyntheTurf consists of a 28mm high polypropylene pile synthetic turf woven on to a perforated laytex backing. The pile is filled with dried sand to within 15mm of the top of the carpet.

Base Construction

SyntheTurf can frequently be laid onto a sand sub base of 25-35mm depth, assuming firm and free draining soil conditions. However, it is possible that deeper layer of sub base material may be required to provide support and assist with drainage, and we recommend that you seek our advice of the specification for the preparation works.

SyntheTurf can also be laid onto existing hard surfaces such as tarmac or concrete.

SyntheTurf is laid as follows:

SyntheTurf laid directly onto prepared soil

See drawing - cross section SyntheTurf into grass

- Use a turf cutter to remove grass and roots from the surface.
- Lay and compact 25-35mm depth of sharp sand to provide a drainage layer and level out lumps and bumps. Lay a geotextile membrane and pin down at regular intervals.
- The SyntheTurf carpet is next laid and the sand infill is broadcast over the surface and brushed in (care must be taken that this part of the process is performed in dry weather conditions).
- The SyntheTurf carpet is tucked under the surrounding perimeter turf. Within a short period of time a secure fixing is achieved. It can also be attached to a timber perimeter edge or to a concrete or brick perimeter edge.

SyntheTurf laid onto a stone foundation in poorly drained soil or soft

See drawing - cross sections SyntheTurf timber edge, SyntheTurf concrete edge

- Excavate the area to be surfaced to the required depth (a minimum of 150mm but this may be deeper depending on ground conditions).
- Install and compact the free draining stone sub base.
- Prepare the perimeter edging.
- Install the sharp sand layer with a depth of 25mm, and lay the geotextile membrane on top.
- Install the SyntheTurf carpet and the sand infill which is spread over the surface and brushed in (care must be taken that this part of the process is performed in dry weather conditions).
- Fix the SyntheTurf carpet to the perimeter timber or concrete edge.

SyntheTurf onto tarmac

See drawing – SyntheTurf Star Kerb

- SyntheTurf can be laid directly onto an existing tarmac or concrete area assuming that a good perimeter fixing can be achieved. It is often possible to adhere the carpet to an existing edging using a very high strength polyurethane adhesive. Alternatively, where edgings are not available (for instance, in the middle of a large tarmac playground) a rubber profile, Star Kerb, can be fixed into the tarmac to provide the necessary anchorage point for the SyntheTurf carpet.

Testing

It has also been tested to BS4790 for fire retardency and to DIN5400 for colour fastness.

A full technical specification is available on request.

Contact us:

Tel 01249 444537

E-mail info@redlynchleisure.co.uk