

erosion solutions

full erosion solutions for your business and your clients by **Erosion Solutions International**, a member of the **Jimboomba Turf Group**



a member of the Jimboomba Turf Group



STAYturf specification

description:

A mature soil free turf product, grown onto a organic geotextile and reinforced with a UV stabilised turf reinforcement mesh.

reinforcement mesh:

UV stabilised Polymer

13mm x 13mm

Nominal tensile strength:

MD 361 Newtons/10cm

TD 326 Newtons/10cm

organic geotextile:

Felted Jute fibre manufactured at 650gsm

grass varieties:

Common Green Couch

Wintergreen Couch

Greenlees Park Couch

Legend Couch

Palmetto

CT2 Couch

For winter planting, STAYturf must be oversown with Perennial Rye Grass at 5kg per 100m².

roll sizes:

Width. 0 to 4m

Length. 0 to 15m

Roll dimensions can be varied to suit most situations. Where the required width is less than 4m, STAYturf can be installed without a lineal join. For wider installations, multiple rolls can be specified.

Both lateral and lineal joins must be overlapped (See Installation Guidelines)

Total amount of STAYturf = Surface Area + 5%.

installation:

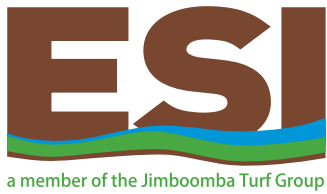
It is vital that correct installation and maintenance procedures are followed.

See Installation Guidelines.

post installation:

As outlined in the post installation guidelines, STAYturf should be watered for at least 4 weeks following installation. For extreme climate zones this may need to be extended.

In most cases, once the grass has established further watering is not required. This can vary depending on the selected grass variety.



mowing:

There is no requirement for STAYturf to be mowed. Many installations are never mowed as the drain or channel is in a remote location where aesthetics are not an issue. In overland flow paths through open space or parkland, STAYturf can be mowed with conventional machinery.

site preparation:

The surface must be cleaned of rocks and vegetation. Erosion and gullies should be filled. As loose soil will subside with moisture the area must be compacted to a minimum of 85%.

The soil should be treated to create suitable grass growing conditions. i.e. pH and nutrient levels.

installation:

STAYturf is a flexible product which will follow the contours of the natural ground, therefore can be installed either along or up and down the slope. It is recommended that STAYturf is rolled out in the direction of flow.

An anchor trench 200mm x 200mm should be installed at the leading edge. STAYturf is installed into the trench and pinned with 150mm steel staples at 500mm spacings. The trench is then backfilled and compacted. Wooden pegs (25mm x 25mm) are then installed at 500mm centers.

STAYturf should be pulled taut to prevent sagging or ripping before pinning down.

100% of the root material on the back of the STAYturf must be in contact with the soil.

joins:

All joins must be overlapped.

For lineal joins (e.i. Side joins where the installation is more than one roll wide), the overlap should be 150mm. Wooden pegs (25mm x 25mm) should be installed along the sides (including the overlap) at 500mm – 1m spacings.

Note: Steel U shaped pins, 150mm long, can be used instead of the wooden pegs if, circumstances require it.

Lateral joins should be overlapped by 200mm and pegged with 25mm x 25mm wooden pegs at 500mm spacings. Anchor trenches should be installed every 30 to 40 mtrs.

For extreme flow rates, anchor trenches should be installed at the start of every roll.



watering:

STAYturf must be watered within 60 minutes of installation. For installations which run over some hours, provision should be made for water to be available. Care should be taken to ensure that water does not run off the STAYturf on to unprotected soil.

Please contact the ESI team on 3114 8201 to discuss how ESI can provide the right erosion control products for your needs, including STAYturf.

fertilising:

STAYturf should be fertilised on the day of installation at the rate of 250grms per square metre. The fertiliser should have an NPK of 14:4:11 or similar. We recommend slow release fertiliser.

mowing:

If required mowing can commence as soon as the STAYturf is well rooted and the pegs removed. We recommend a minimum mowing height of 35mm. Care should be taken in V drains not to run the tractor wheels in the bottom of the invert when it is wet as this may damage the product. Mowing is only required if the location demands. STAYturf in bushland areas does not require mowing.

summary:

Once established, STAYturf will survive under most conditions. Where aesthetics demand improved visual presentation, normal grass management practices should be adopted.