

INSTALLATION GUIDELINES
SUREGREEN GR10
GRASS REINFORCEMENT



Fixing U Pins

Grass reinforcement mesh
installed onto existing grass

Prior to any work on site, it is highly advisable a site survey, even if only a rudimentary one, is done.

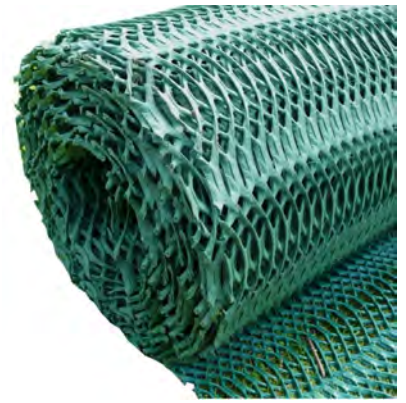
Installation notes:

- SUREGREEN GR grass protection meshes work best when applied to areas that are reasonably level, even, well drained and with well-established grass growth.
- A spring / early summer installation will allow SUREGREEN GR grass reinforcement meshes to reach their optimum working condition quickly. However the product can be installed and used any time of the year when allowances are made for grass growing conditions.

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Basic requirements to achieve the best results:

- The grass area needs to be relatively flat and no steeper than 1 in 20 fall is advisable.
- The area needs to be generally even. Gentle undulations in the region are usually acceptable but abrupt ruts and raised areas will need filling in or levelling out and re-turfed. Laying turf rather than re-seeding is better as this will always allow the area to be used quicker as seeding can take a whole growing season to develop the necessary grass structure.
- The grassed area needs to drain reasonably well. Badly draining land at times of heavy rainfall may allow the ground to become soft and pliable underneath the reinforcement mesh. This may lead to the mesh to be compromised and not perform as expected.
- A strong, robust well established grass in a consolidated soil. This is needed for two main reasons. Firstly the pins required to secure the mesh, needs the grass root structure and firm soil in place to provide a hold for the pins. Secondly a strong grass root structure is needed to add strength to the mesh to allow the desired trafficking.
- SUREGREEN GR10 grass reinforcement mesh is often used to allow livestock i.e. horses and sheep, to be placed in a winter paddock so poaching is greatly reduced. If however the area being looked at for reinforcement had been used for livestock prior to installation it is usually the case that the soil is poached and pot marked. These irregularities need to be removed / rolled out so the mesh can sit tight against the grass to allow entanglement.

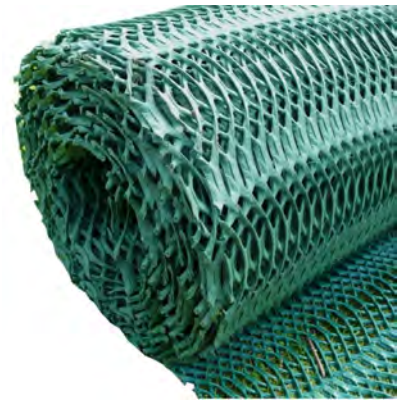
Installation guidelines:

- 1) Prior to installation the grass needs to be cut short. This will help in making sure the plastic mesh lays tight against the ground to allow the swiftest entanglement of grass roots and mesh.
- 2) Unroll the roll the mesh and allow to 'relax' for an hour or so to reduce the wave in the mesh caused by the mesh being rolled (This is achieved by unrolling the mesh and loosely pinning at the ends). To help this this process the mesh can be turned over after unrolling so the mesh curls down and not up and then loosely pinned. This will not affect the efficiency of the mesh.
- 3) To get the best results for SUREGREEN GR10 all the mesh needs to be close-fitting to the grass surface. This is achieved by using the metal pins provided. From experience and as a guide we suggest that for a 2m x 20m roll at least 150 pins are required and for a 1m x 10m roll 50 pins are required. From many trials and working projects it has been found that the pins are best placed at 300mm along the edges of the rolls and 600mm through the centre. On the edge the pins can either pin across to the next roll or along the rim when laying a track way. The U pins have been designed to fit flush with or just below the mesh so they are not a trip hazard and the grass can be safely mowed.
- 4) When installing the rolls next to each or in a row the edges of the rolls are butted up to each other – do not overlap the rolls. Pin across the mesh so each rolls is joined to each other.

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General notes:

- For the mesh to reach optimum working condition, the grass needs to be fully intertwined with the plastic mesh. During the growing season this is usually after about 6 to 8 weeks. Another way to gauge readiness is to start to use the mesh after 3 to 4 cuts of the grass.
- When the first cutting is done set the mower blades slightly higher than normal and allow the cuttings to fall back on to the mesh. When the installed areas is ready for use, the mesh should be well intertwined with the grass roots and sward and be less visible. Cutting of the grass can be as normal.
- SUREGREEN GR10 grass reinforcement meshes have been designed to reach their full working potential in the quickest time-period with areas that have an established grass structure. When it is the intention to lay the mesh in a region that is devoid of grass, and the area is going to be seeded to establish grass, time will be needed for the grass to develop a strong grass root structure before the mesh is planned to be used. This is usually a full growing season –March to October. SUREGREEN GR10 grass reinforcement meshes can still be laid on the new growing grass and the grass allowed to grow into the mesh. It would be advisable that a test is done with a pin on site to make sure the pin will stay in place as there would be no existing grass root structure to help to hold the pin in place. This can be a problem especially with sandy soils.
- When SUREGREEN GR grass reinforcement meshes are installed in hot weather, the sun may cause the roll to expand and ripples to occur in the mesh. This is quite normal and the mesh will settle down as the temperature cools and the grass grows into the mesh.



Unroll mesh onto existing grass



Fix using steel u-pins



Allow grass to grow through



Grass in use after suitable period