



## POWERGRID HEAVY DUTY TURF REINFORCEMENT INSTALLATION ADVICE

Powergrid heavy duty turf reinforcement meshes are a tough, flexible, long-lasting polymer grid, for permanently reinforcing grassed areas used by vehicles and pedestrians.

Grass intertwines with and grows through the mesh, giving a natural appearance and providing protection against wear and rutting. The weight of vehicles and pedestrians is dispersed over the mesh, creating a more stable surface.

## INSTALLATION PROCEDURE

### A. FOR EXISTING GRASSED AREAS

1. Spring is the ideal time for laying the mesh because the grass will grow quickly through the mesh and the root mass will interlock with the mesh filaments.

If installed outside of the growing season then more time needs to be allowed for the grass and mesh to establish.

2. Prepare the area by filling any depressions with soil and sand and cut the grass as short as possible. If the mesh is being laid over claysoil, we recommend that a suitable drainage system be installed to allow drainage of excess surface water.
3. Lay reinforcement mesh flat over the grass and fix the ends taut with metal U-pins - we recommend a minimum 1 pin per m<sup>2</sup> be used for installation (ideally allow for 100 pins per roll).

For wider areas, rolls should overlap by 150mm and be secured with the metal pins. Make sure mesh is tensioned whilst unrolling it. It may help to roll out the mesh in the opposite direction to the way it is wound onto the roll (convex direction). Pin down any areas of the mesh that are not in contact with the ground.

4. To promote root growth around the mesh and increase stability, cover area lightly with sandy topsoil and, if necessary, cover bare areas with grass seed.
5. Grass should be fully established before using and mower blades should, initially, be set high (for the first 2 to 3 cuts).
6. Traffic and pedestrians should be kept off the area until the grass has become fully established with the mesh.

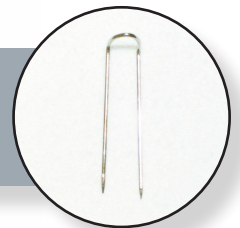
### B. FOR NEWLY SOWN AREAS

1. The ground surface should be reasonably level and cleared of debris and any local depressions should be in-filled with a mixture of sharp sand and topsoil.
2. Prepare the surface as a cultivated and well-firmed seedbed.
3. Continue with points 3-6 as per section A.

### Applications

- Grassed access routes of high traffic areas
- Overspill or permanent car parks
- Caravan parks
- Can withstand occasional HGV traffic
- Allowing for car parks on grass verges
- Disabled wheel chair access routes and paths

Min. 1 pin every m<sup>2</sup> for fixing



**Warning – under wet conditions the mesh may be slippery when wet. During the growing season extra care needs to be taken when walking or driving over the meshes.**