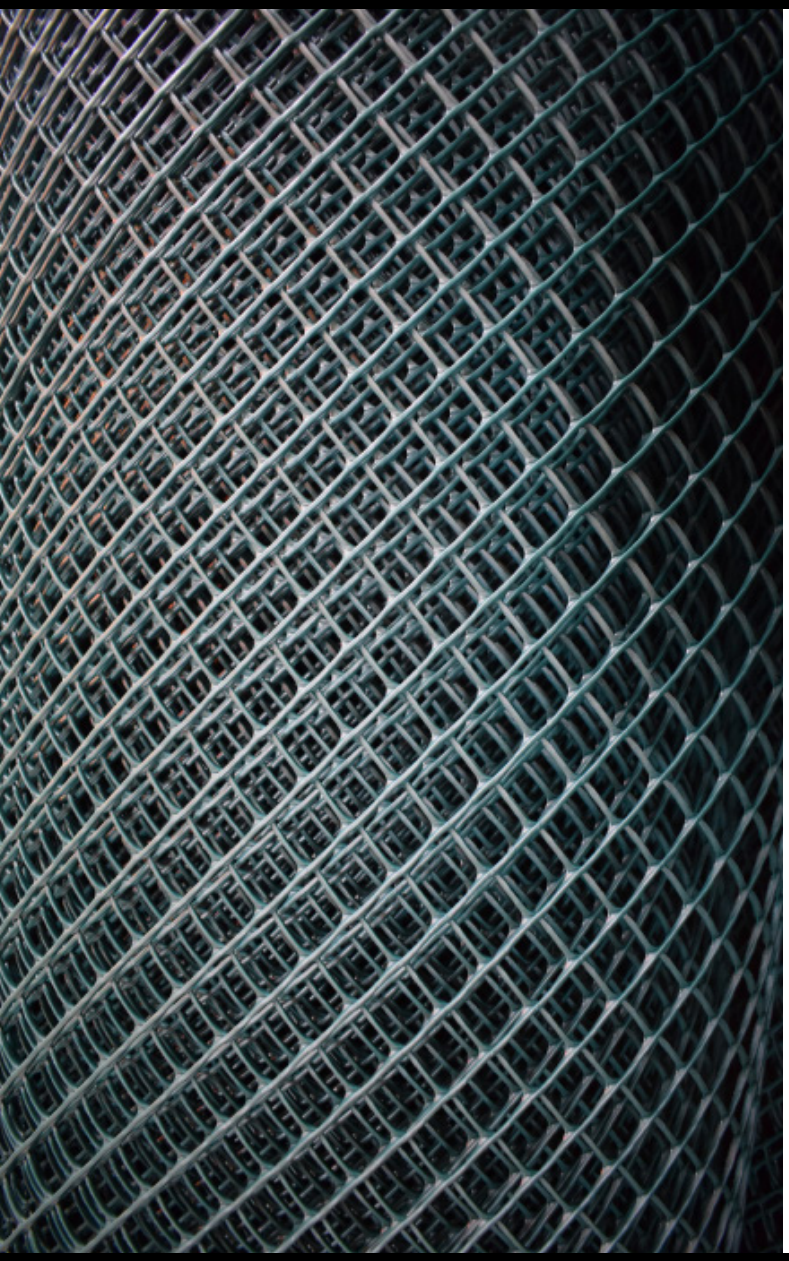
GRASSHIELD® GROUND REINFORCEMENT MESH

A COMPREHENSIVE GUIDE FOR ALL OF YOUR GRASS & GROUND REINFORCEMENT NEEDS

ISO 9001 : 2015 REGISTERED



GRASSHIELD® REINFORCEMENT MESH

Secure & enhance any grass area

Grasshield® reinforcement mesh is an extruded, lightweight thermoplastic mesh made from 100% recycled high density polyethylene. It is ideal for reinforcing and protecting grassed surfaces prone to wear, rutting and smearing which can result in muddy ground incapable of being used. Grasshield® can also be used to reinforce ground in where safety surfacing is required such as play areas and schools. Most commonly used under RubbaGrass® Safety Matting. It can also be used for grass reinforcement and protection where at times light vehicle or pedestrian use is necessary.

Key Features

- Highly durable & hard wearing
- Rot resistant
- Chemically inert
- Lightweight
- Discreet protection
- SUDS compliant
- Promotes healthy grass growth
- Available in a variety of widths
- Quick & easy to install
- 100% Recyclable Material

Common Applications

- Grass access routes
- Lawn reinforcement
- Play areas under RubbaGrass® Matting
- Occasional vehicle access
- Prevents animals digging up lawn areas
- Wheelchair / Disabled (DDA) access routes
- Slope stabilisation
- Cycle paths
- Pedestrianized grassed areas
- Aircraft taxiways

Technical Specification

Properties	Values
Material	HDPE
Polymer	UV stabilised, recycled high density polyethylene
Colour	Green
Roll Size	1.5m x 30m, 2m x 20m, 2m x 30m
Mesh Aperture	25mm x 25mm
Weight	450g/m^2
Tensile Strength	5.9 / 7.1 kN/m
Yield Point Elongation	>500%

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MESH INSTALLATION GUIDE

Preinstallation tips & advice

We always recommend cutting the grass short when installing. This ensures that the mesh lays as close to the ground as possible. For the best results we advise allowing the grass to fully establish, to avoid potential slip hazards when newly installed. Depending on the season this could take either a few weeks or a few months. After allowing the grass to fully establish and has intertwined with the mesh, the grass can be cut as normal and will have regained its natural appearance.

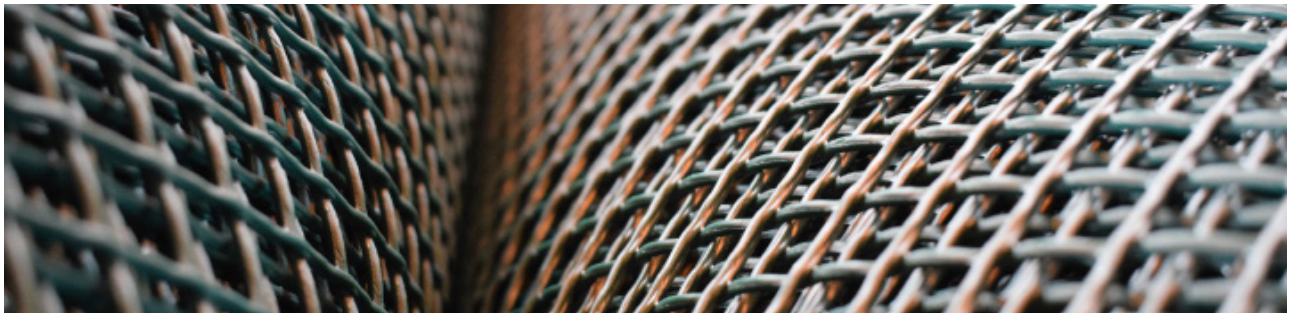
Tips to Ensure the Best Results

We always recommended working with as flat a surface as possible. Minor dips or raises are acceptable but steep contrasts on the surface will need to be filled in or levelled out to ensure best results.

If the surface does require levelling out, laying turf is recommended over re-seeding as this will allow the area to be used quicker. Seeds can take a whole season to grow enough and to develop an appropriate grass structure, strong enough to support the mesh.

The working area needs to be able to drain well. Grass that becomes water-logged during times of heavy rainfall may disrupt the structure of the soil underneath the reinforcement mesh. This could compromise the security of the product and cause unsatisfactory results.

After checking all of the above you will be left with strong, well-established grass with a secure layer or soil underneath. This is important for two main reasons. Firstly, the soil needs to provide a firm structure to hold the U pins. Secondly, strong grass structure and growth is essential to intertwine and add strength to the mesh to allow for higher levels of usability.



MESH INSTALLATION GUIDE

Installation in 5 easy steps

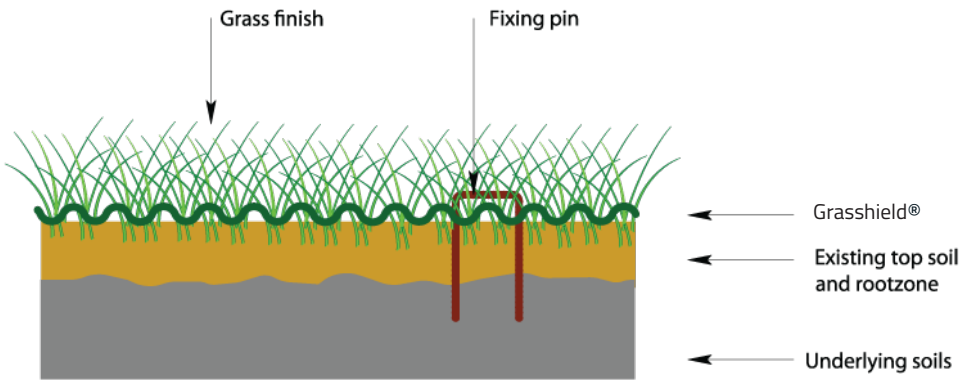
1) Before laying the mesh, the grass needs to be cut short. The closer the mesh rests against the surface of the soil the easier it will be for the grass to entangle with the mesh, creating a stronger sturdier structure.

2) Unroll the mesh and allow it to lay flat for an hour or so. This will reduce the curve that is caused by the mesh being rolled up for a prolonged period of time. You can speed this process up by loosely pining the ends to encourage the mesh to straighten.

3) After the mesh has straightened out you can cut the mesh to fit your desired shape and size. The mesh is firm by design so we recommend using more heavy-duty cutting tools to achieve the best results.

4) Once the mat(s) are in place it is time to fix them to the ground. Metal U pins are the best tool for this as they offer greater traction in the soil and lay flat to allow you to easily cut the grass at a later date. We recommend our 130mm pins as they will ensure secure connection between the mesh and the ground. Our testing has shown that 100 pins are required per roll of mesh. Spaced evenly along the sides of the mesh and sporadically through the centre.

5) If you are laying two mesh rolls next to each other it is important that the edges touch each other but do not overlap. Use the U pins to join the separate rolls together to form a single structure.



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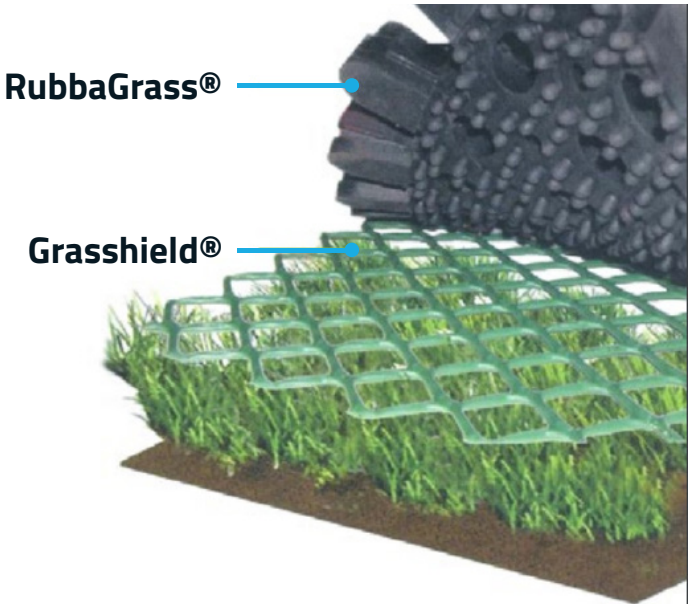
MULTI-LAYER GROUND PROTECTION

Using Grasshield® with RubbaGrass®



You can also use our Grasshield® ground reinforcement mesh with our RubbaGrass® group protection matting. This provides impact protection for applications such as: playgrounds, slopes and pathways. We find that this combination of products is particular useful on soil which is prone to becoming waterlogged. It also serves to provide additional protection against soil erosion in areas that receive high levels of footfall.