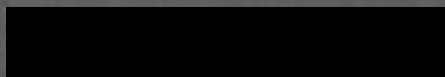


GRASS, GROUND & GRAVEL REINFORCEMENT





ABOUT US

Suregreen Ltd supply a range of grass, ground and gravel reinforcement products that provide free draining paving solutions that are required to be used by traffic. The product range can be used as part of a source control layer within a SuDS design, where stormwater run-off is a consideration and provides reinforcement solutions from lightweight infrequent use up to regular heavy traffic.

Within our range are our permeable interlocking paving grids that are manufactured from recycled plastic. These pavers provide a permeable stabilised pavement that is ideal for either a gravel or grass fill for applications including car parks, coach parks, fire access lanes, driveways, paths and disabled access. Their open-cell structure is porous and ideal for optimum grass growth where a grass surface is preferred and also retains gravel in place where a permeable angular stone surface is required.

Grass reinforcement meshes are market leading thick plastic meshes that are installed directly onto grass areas that are required for use as overflow car parking, paths, verges and lawns. Once installed the grass quickly grows through the mesh and the grass roots intertwine with the mesh filaments creating a strong, reinforced invisible surface structure for car and pedestrian traffic. The reinforced surface will reduce grass wear, muddy areas and rutting caused by excessive vehicle use on grass.

Our technical team have many years of onsite experience and are available to visit project sites to discuss product and application viability regarding our grass, gravel and ground reinforcement solutions.

Suregreen also market a range of garden and landscape products sold to the trade and consumer through our ecommerce website: [\[REDACTED\]](#)


















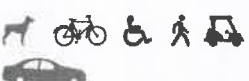
PRODUCT SELECTION CHART

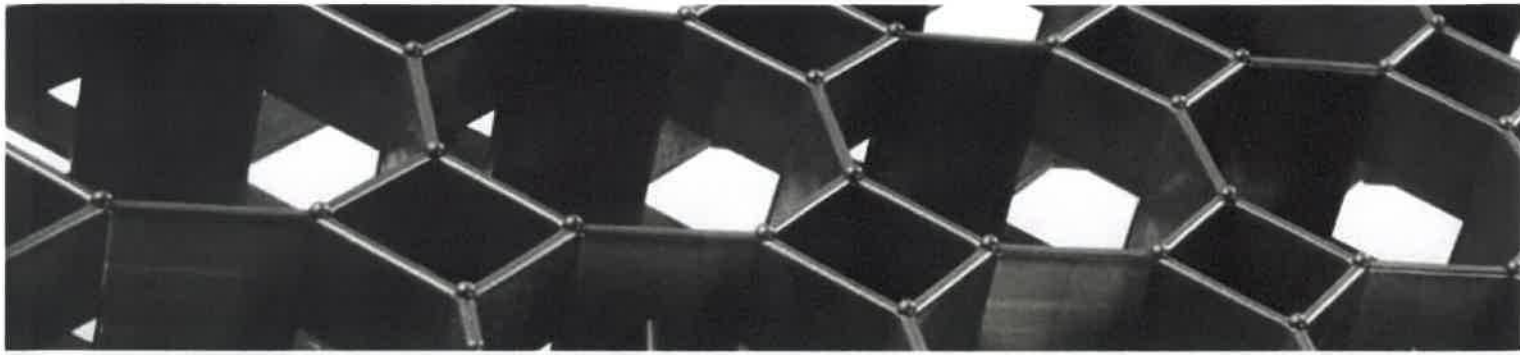
The following table is designed to identify which ground reinforcement products may be best suited for your requirements where vehicles are required to drive over grass and gravel surfaces. Typical applications and frequency of use would need to be confirmed by the existing ground conditions. Please contact our technical sales team for further guidance on product suitability. All our products can be used for regular pedestrian applications.



FREQUENCY OF USE



| Product | Typical Applications | Frequency of Use | Loading | Page |
|--|---|--|---|------|
|  <p>PP40 Porous Paver for Gravel – plastic paving grid for ground reinforcement and gravel retention.</p> | Car parks, coach parks, private driveways, access roads, shed bases, fire access lanes, pedestrian walkways, wheelchair access. |  |  | 04 |
|  <p>PP40 Porous Grass Paver – plastic paving grid for ground reinforcement.</p> | Overflow car parking, fire access lanes, caravan/holiday home parking, residential parking. |  |  | 06 |
|  <p>GR14 Grass Reinforcement Mesh - 14mm thick plastic mesh for reinforcing grass.</p> | Overflow grass car parks, grass verge parking, access roads, wheelchair access, light aircraft taxiways, golf buggy routes. |  |  | 08 |
|  <p>GR11 Grass Reinforcement Mesh – 11mm thick plastic mesh for reinforcing grass.</p> | Overflow grass car parks, grass pedestrian paths, wheelchair access, caravan holiday parking. |  |  | 08 |
|  <p>TR4 Turf Reinforcement Mesh – heavier grade plastic mesh for reinforcing grass.</p> | Overflow grass car parks, Lawn reinforcement, dog areas, playgrounds, grass paths, wheelchair access. |  |  | 10 |
|  <p>TR3 Turf Reinforcement Mesh – standard plastic mesh for reinforcing grass.</p> | Overflow grass car parks, lawn reinforcement, dog run areas, grass paths, wheelchair access, support for matting. |  |  | 10 |



SUREGREEN PP40

POROUS PAVER GRAVEL FINISH



SUREGREEN PP40 is a porous paver that can provide a solution to a wide range of trafficking needs, especially in providing a stable, free draining pavement surface that retains gravel in situ. The application might be a gravel car park, an emergency access route or wheel chair / disabled access path. SUREGREEN PP40 plastic paving grids have been designed, using carefully selected recycled plastics, to meet the demands and loadings imposed across a wide range of end requirements and site conditions.

Applications / Uses:

- Gravel car parking
- Overflow car parks
- Wheelchair / disabled access paths
- Free draining pedestrian paths
- Fire access roads / lanes
- Cycle paths
- Access routes and roads
- Drives and Driveways



SUREGREEN PP40 porous plastic pavers can be filled with a 5mm to 20mm mixed sharp angular aggregate/gravel to give a very stable, hardworking and free draining working surface. The design of SUREGREEN PP40 plastic porous pavers allows excellent interlock with the gravel resisting and negating dynamic and lateral loadings so the gravel and paver remains in situ with little or no maintenance requirements. The retained gravel finish, when installed correctly will provide a hard-wearing, robust and permeable free draining surface that would have an expected lifetime of many years. Please see our installation and design guidance documents for further information.



SUREGREEN PP40 porous pavers are supplied in easy to handle square grids which interlock with adjacent paving grids to create a stable and robust surface. The plastic pavers have a 40mm deep open honeycomb structure which promotes and allows excellent interlock between angular stone/gravel particles where a gravel pavement is required. Pavers have integral 25mm ground spikes that provide additional support and negate lateral displacement which is key where moving vehicles are in operation.





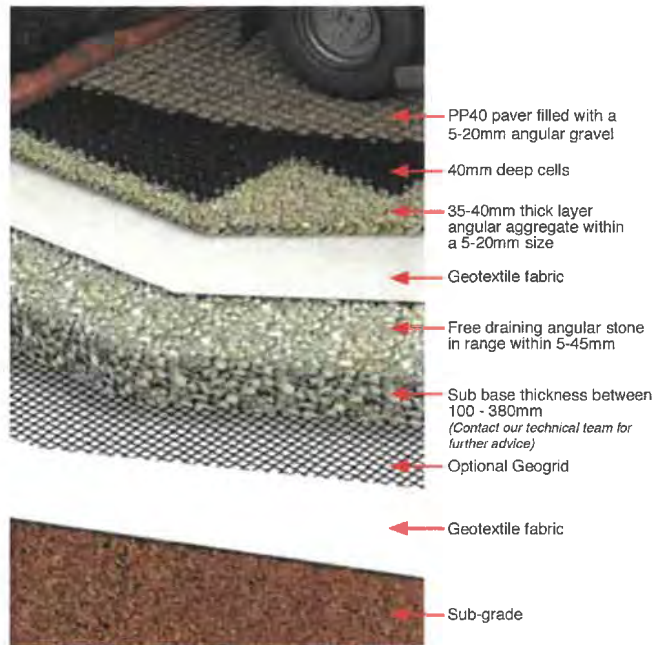
For technical and installation information visit:



SUREGREEN PP40 paving grids have been manufactured using specially selected 100% recycled plastics that have the qualities that are required for a strong, long-lasting, stable product suitable for the designed traffic load. These include:-

- UV stabilisation to stop degradation by sunlight.
- Tested to 150T/m², capable of withstanding cars, vans, trucks and lorries.
- Paver profile allows expansion on warmer days or in direct sunlight when required to stop lifting.
- Plastic selection to allow use in cold temperatures – some plastic will become fragile when cold.
- Open structure to allow unhindered water permeability.
- Paver design maximises support and stability from either a gravel or a grass root structure.
- All plastics used are stable, chemically inert and are not toxic so are suitable for normal soil conditions.

SUREGREEN PP40 porous plastic paving grids have been designed to meet the demands laid down by local government regarding flood alleviation and SUDS requirements (Sustainable Urban Drainage Systems). PP40 pavers provide a porous / permeable pavement surface that allows rainwater / flood water to infiltrate through the paver surface and fill material into the subgrade below. SUREGREEN PP40 can be used as part of a source control layer within a SUDS design.



SUREGREEN PP40 pavers are designed to be installed using an appropriate subgrade and construction profile to suit local conditions and traffic loadings / movements. Please refer to our installation and design sheets for guidance and / or contact our technical team for guidance for full information.

Product Range

Laid size for 4 grids cover 1m²

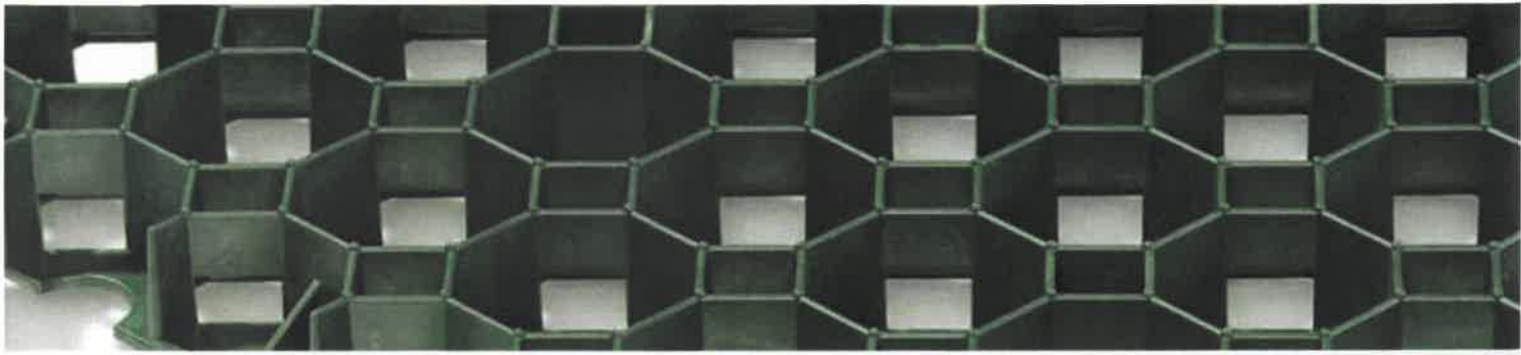
| Product | Size (outer) | Grid per m ² laid | Paver Cell Depth | Load bearing Strength Capacity | Material | Colour | Part Code |
|-------------------|---------------|------------------------------|------------------|--------------------------------|---------------------|--------|-----------|
| PP40 Porous Paver | 500mm x 500mm | 4 | 40mm | 150T/m ² | 100% Recycled PP/PE | Black | 430653 |
| PP40 Porous Paver | 500mm x 500mm | 4 | 40mm | 150T/m ² | 100% Recycled PP/PE | Green | 433777 |

Parking Markers

Clip in plastic markers can be used to mark parking spaces in parks or provide directional information.

| Product | Colour | Part Code |
|-----------------|--------|-----------|
| Plastic Markers | White | 432695 |





SUREGREEN PP40

POROUS PAVER GRASS FINISH



SUREGREEN PP40 is a porous paver that can provide a solution to a wide range of trafficking needs over grass surfaces. The need might be an overflow car park, an emergency access route or wheel chair / disabled access. SUREGREEN PP40 grass pavers have been developed to meet the demands of a grass finish for a porous plastic paver and manufactured using carefully selected recycled plastics. SUREGREEN PP40 grass pavers meet the demands and loadings imposed across a wide range of traffic loads, frequencies of use and site conditions and to meet the demands of a grass finish for a porous plastic paver.

Applications / Uses:

- Overflow grass car parks
- Wheelchair / disabled access paths
- Free draining pedestrian paths
- Fire access routes
- Cycle paths
- Access routes and roads
- Grass Lawns

SUREGREEN PP40 porous plastic pavers can be filled with root zone and then seeded to give a grassed finish. With a grass finish, when installed correctly, SUREGREEN PP40 will provide a hard-wearing, robust and permeable free draining surface that would have an expected lifetime of many years. SUREGREEN PP40 grass pavers have been deliberately designed to allow excellent grass root entanglement with the paver to resist dynamic loadings and will also encourage strong, vibrant and sustainable grass growth. Please see our installation and design guidance documents for further information.

SUREGREEN PP40 grass pavers are supplied in easy to handle square grids which interlock with adjacent paving grids to create a stable and robust surface. The plastic pavers have a 40mm deep open honeycomb structure which promotes excellent root growth where a grass surface is preferred. Pavers have integral 25mm ground spikes that provide additional support and negate lateral displacement which is key where moving vehicles are in operation.





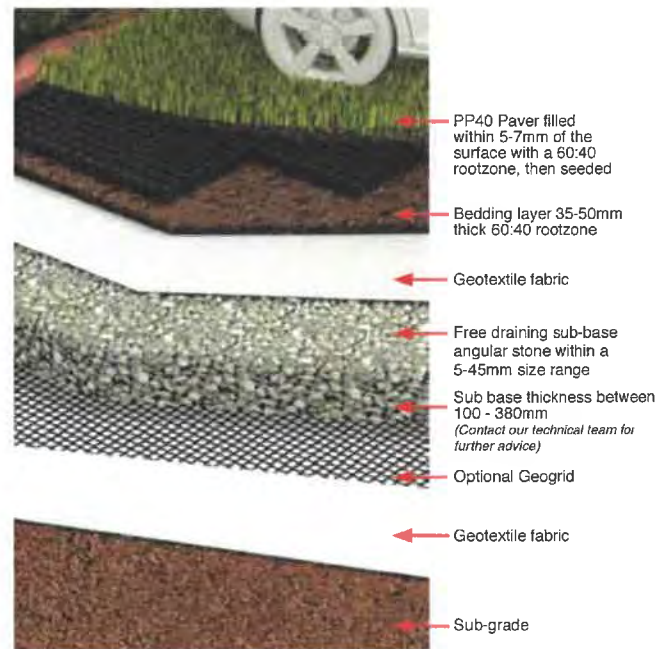
For technical and installation information visit:



SUREGREEN PP40 has been manufactured using specially selected 100% recycled plastics that have the qualities that are required for a strong, long-lasting, stable product suitable for the designed traffic load. These include:-

- UV stabilisation to stop degradation by sunlight.
- Tested to 150T/m², capable of withstanding cars, vans, trucks and lorries.
- Paver profile allows expansion on warmer days or in direct sunlight when required to stop lifting.
- Plastic selection to allow use in cold temperatures – some plastic will become fragile when cold.
- Open structure to allow unhindered water permeability.
- Paver design maximises support and stability from a grass root structure.
- All plastics used are stable, chemically inert and are not toxic so are suitable for normal soil conditions.

SUREGREEN PP40 porous plastic paving grids have been designed to meet the demands laid down by local government regarding flood alleviation and SUDS requirements (Sustainable Urban Drainage Systems). PP40 pavers provide a porous / permeable pavement surface that allows rainwater / flood water to infiltrate through the paver surface and fill material into the subgrade below. SUREGREEN PP40 can be used as part of a source control layer within a SUDS design.



SUREGREEN PP40 pavers are designed to be installed using an appropriate subgrade and construction profile to suit local conditions and traffic loadings / movements. Please refer to our installation and design sheets for guidance and / or contact our technical team for guidance for full information.

Product Range

Laid size for 4 grids cover 1m²

| Product | Size (outer) | Grid per m ² laid | Paver Cell Depth | Load bearing Strength Capacity | Material | Colour | Part Code |
|-------------------|---------------|------------------------------|------------------|--------------------------------|---------------------|--------|-----------|
| PP40 Porous Paver | 500mm x 500mm | 4 | 40mm | 150T/m ² | 100% Recycled PP/PE | Black | 430653 |
| PP40 Porous Paver | 500mm x 500mm | 4 | 40mm | 150T/m ² | 100% Recycled PP/PE | Green | 433777 |

Parking Markers

Clip in plastic markers can be used to mark parking spaces in car parks or provide directional information.

| Product | Colour | Part Code |
|-----------------|--------|-----------|
| Plastic Markers | White | 432695 |





SUREGREEN GR11 & GR14 GRASS REINFORCEMENT MESH



SUREGREEN GR11 and GR14 grass reinforcement meshes have been specially designed, using carefully selected high density plastics, to allow permanent trafficking – car or pedestrian – to grassed areas where and when this would not normally be considered. SUREGREEN GR grass reinforcement mesh achieves this by reinforcing and protecting existing grass areas against traffic damage (vehicle / pedestrian wear and rutting) whilst retaining and keeping the natural look of grass cover.

SUREGREEN GR grass reinforcement meshes will allow prolonged summer and some winter use subject to factors like frequency of use, type of traffic, nature of soil and drainage. This would include parking on a daily basis, access to areas closed off in the colder, wetter months and disabled access. Please contact our technical team for further guidance.

SUREGREEN GR grass reinforcement meshes are used to provide many application solutions of parking and access where a grass surface may not have been previously considered.

Typical problems solved would include:-

- Daily car parking requirements
- Overflow car parking requirements
- Allowing off road parking on grass verges
- Access to grass areas normally closed off to trafficking
- Minimising damage to highly trafficked grassed areas like builders compounds.
- Temporary grass access routes
- Protection to allow routing by golf buggies.
- Equestrian issues like poaching and rutting at paddock gateways, walkways and feeding rings.





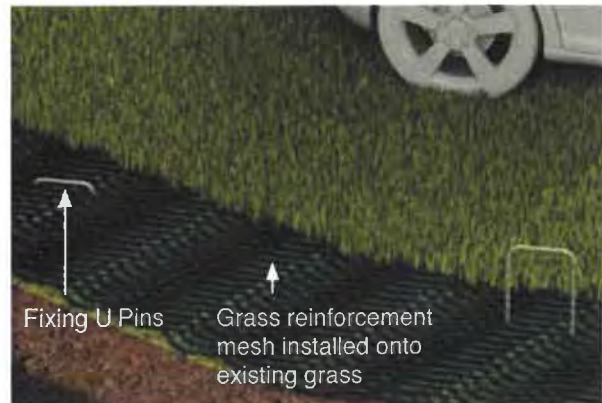
For technical and installation information visit:



Installing SUREGREEN GR14 & GR11 grass reinforcement meshes is normally easy and trouble free. The plastic mesh is laid onto the existing grass and fixed in place using steel U-Pins. If installed correctly and not used inappropriately, the expected lifetime of the grass reinforcement meshes should be 10 to 20 years. The plastic mesh is UV stable, rot proof and once in place the mesh will not degrade. Please see our installation guide for instructions or contact our technical team for further clarification.

SUREGREEN GR meshes can be installed for immediate use for temporary applications. These would include grass access routes and builder compounds. Although not having the full working capacity of an integrated mesh, the effects of trafficking will be greatly minimised.

SUREGREEN GR11 and GR14 are a fully permeable solution and as can be used as part of a source control system within a Sustainable Urban Drainage System (SUDS). The natural drainage of the land is unaffected as is the natural ecology of the soils by the mesh.



SUREGREEN GR grass reinforcement meshes are available in two mesh thickness / grades and in various roll sizes:

- SUREGREEN GR14 mesh is our heavy-grade 14mm thick, 2kg/m² product that is suitable for the more intensive / frequent traffic applications
- SUREGREEN GR11 mesh is our standard-grade 11mm thick, 1.2kg/m² product for less frequent and lighter applications or where economic restraints prevail.

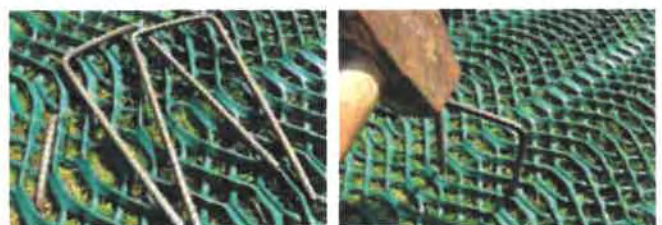
Product Range

| Product | Size | Thickness | Weight | Material | Colour | Part Code |
|---------------|-----------|-----------|----------------------|----------------------|--------|-----------|
| GR14 Heavy | 2m x 20m | 14mm | 2kg/m ² | HDPE (Part recycled) | Green | 430004 |
| GR14 Heavy | 2m x 10m | 14mm | 2kg/m ² | HDPE (Part recycled) | Green | 430028 |
| GR14 Heavy | 1m x 10m | 14mm | 2kg/m ² | HDPE (Part recycled) | Green | 430011 |
| GR11 Standard | 2m x 20m | 11mm | 1.2kg/m ² | HDPE (Part recycled) | Green | 430042 |
| GR11 Standard | 2m x 10m | 11mm | 1.2kg/m ² | HDPE (Part recycled) | Green | 430059 |
| GR11 Standard | 1m x 10m | 11mm | 1.2kg/m ² | HDPE (Part recycled) | Green | 430035 |
| GR11 Standard | 2.5m x 5m | 11mm | 1.2kg/m ² | HDPE (Part recycled) | Green | 434262 |

Fixing U-Pins

SUREGREEN GR grass reinforcement mesh is fixed to the grass using steel u-shaped pins.

| Product | Pack Size | Material | Part Code |
|----------------------------------|-------------|----------|-----------|
| 170mm long x 70mm wide x 6mm dia | 50 per pack | Steel | 430103 |





SUREGREEN TR3 & TR4 TURF REINFORCEMENT MESH



SUREGREEN TR3 and TR4 turf reinforcement meshes have been specially designed, using carefully selected high density plastics, to allow light trafficking – car or pedestrian – to grassed areas where and when this would not normally be considered. Turf Reinforcement mesh helps to reduce grass wear, rutting and damage by spreading loads and creating a stronger root base and so retaining a natural, structure free grass cover.

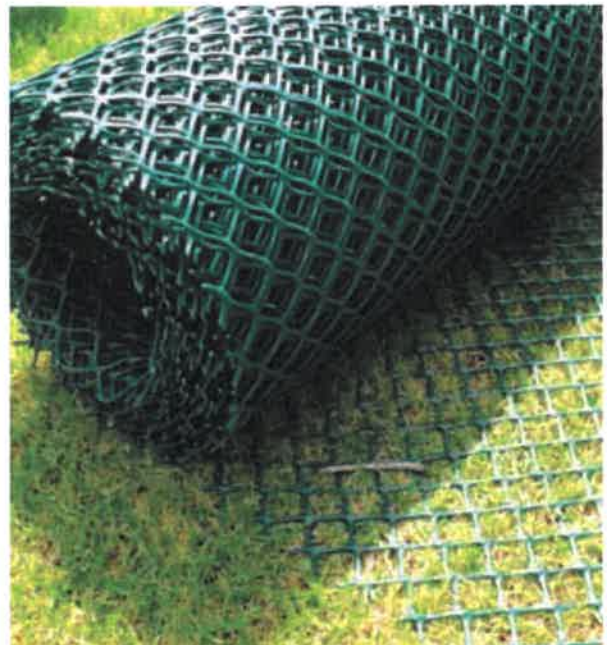
Grass reinforced with SUREGREEN TR3 and TR4 turf reinforcement meshes can be used throughout the warmer seasons and occasionally in the winter months in some special circumstances, subject to factors like frequency of use, type of traffic, nature of soil and the surface drainage.

Turf reinforcement meshes are manufactured from part-recycled HDPE plastics and are designed to provide many solutions to grass parking, access roads and worn and rutted grass areas.

Typical applications include:-

- Overflow grass car parking requirements (TR4)
- Allowing off road grass parking on grass verges (TR4)
- Access to grass areas normally closed off to traffic (TR4)
- Pedestrian grassed areas / walkways. (TR3)
- Grass Paths (TR3)
- Lawn reinforcement (TR3)
- Dog and Pet run grassed areas (TR3)

SUREGREEN TR grass reinforcement meshes have been specially designed to allow quick and maximum grass entanglement and a reinforced structure. The plastic mesh will quickly disappear into the grass producing an invisible reinforced natural looking grass surface. SUREGREEN TR mesh is intended to give extra strength and a footprint to the top grass surface protecting the grass root structure and so abrasion is greatly minimised.





For technical and installation information visit:

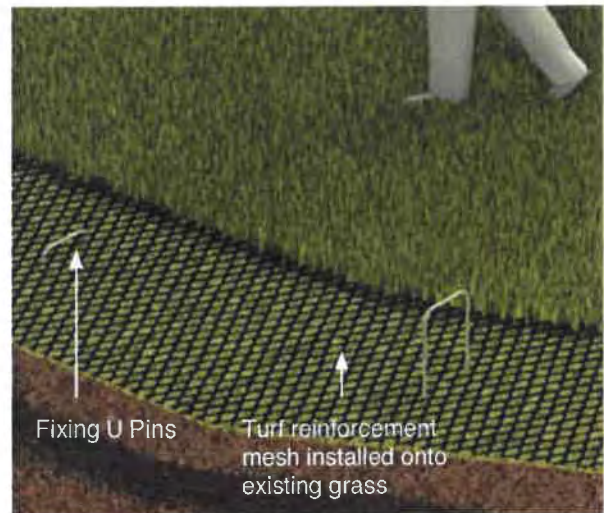


Installation is normally easy and trouble free by pinning the plastic mesh to the existing grass surface using Suregreen's steel fixing U-Pins. If installed correctly and not used inappropriately, the expected lifetime of the meshes should be 10 to 20 years.

SUREGREEN TR plastic meshes are UV stabilised, and once in place the mesh should not degrade. For full details of how to install SUREGREEN TR turf reinforcement meshes, please see our installation guide for further instruction. For further clarification please contact our technical team.

SUREGREEN TR3 and TR4 are a fully permeable solution and as such are used as or in a Sustainable Drainage System Solution (SUDS). The natural Drainage of the land is unaffected as is the natural ecology of the soils by the mesh.

SUREGREEN TR3 and TR4 reinforcement meshes reinforce grass for cars and pedestrian applications while keeping a natural grass surface that is permeable.



SUREGREEN TR turf reinforcement meshes are available in two mesh grades and in various roll sizes:

- SUREGREEN TR4 turf mesh is our premium-grade 660g/m² product that is suitable for the more frequent light traffic applications
- SUREGREEN TR3 turf protection mesh is our lighter standard-grade 430g/m² product for less frequent and very light traffic applications or pet areas.

Product Range

| Product | Size | Mesh Aperture | Weight | Material | Colour | Part Code |
|--------------|----------|---------------|---------------------|----------------------|--------|-----------|
| TR4 Premium | 2m x 30m | 26 x 26mm | 660g/m ² | HDPE (Part recycled) | Green | 433814 |
| TR3 Standard | 2m x 30m | 26 x 26mm | 430g/m ² | HDPE (Part recycled) | Green | 433784 |
| TR3 Standard | 2m x 10m | 26 x 26mm | 430g/m ² | HDPE (Part recycled) | Green | 433791 |
| TR3 Standard | 1m x 10m | 26 x 26mm | 430g/m ² | HDPE (Part recycled) | Green | 433807 |

Fixing U-Pins

SUREGREEN TR turf reinforcement mesh is fixed to the grass using steel u-shaped pins.

| Product | Pack Size | Material | Part Code |
|----------------------------------|-------------|----------|-----------|
| 170mm long x 70mm wide x 6mm dia | 50 per pack | Steel | 430103 |






suregreen

Suregreen Limited

