

## Grass Reinforcement Mesh

GrassProtecta® is an improved heavy duty thick polyethylene mesh for reinforcing grassed surfaces prone to wear, rutting and smearing. The oscillated mesh structure has been designed to increase traction and improve slip resistance by up to 97% compared to standard straight oriented meshes. GrassProtecta® is a cost effective solution for:

- Grass car parks
- Pedestrian paths
- Disabled (DDA) access routes
- Light aircraft taxiways
- Equestrian surfaces
- Grass verges
- Caravan parks
- Residential parking



GrassProtecta® is supplied on 2m x 20m, 1m x 10m rolls and in cut sheets in two thicknesses (11mm & 14mm) for use as determined by the application and is manufactured from partly recycled UV stabilised polyethylene.

Installation is simple; after cutting the grass short, the mesh is unrolled and pinned to the surface using metal U-Pins or plastic pegs. By allowing plants to grow through its apertures, GrassProtecta® allows the sward to intertwine with the mesh filaments creating a strong, discreetly reinforced surface capable of withstanding vehicle loads, limiting damage and reducing soil compaction. GrassProtecta® can also be installed onto newly landscaped areas and seeded as required.

Boddingtons strongly advise that newly installed GrassProtecta® areas should be left unused until the grass has grown through the mesh apertures ensuring a strong interlock with the grass and mesh filaments is achieved - normally after a few weeks during the growing

season, increasing to a few months out of the growing season. If the surface is used immediately grass growth may take a longer period of time to establish, thus limiting the effectiveness of the product.

GrassProtecta® can be used in source control applications as part of a Sustainable Urban Drainage System (SUDS) and is the perfect alternative to impermeable paved surfaces where natural grassed traffic routes and driveways are preferred, planning restrictions are applied or cost savings are being considered.



GrassProtecta® disappears when the grass grows through

The oscillated mesh structures allows full natural grass growth whilst improving slip resistance by up to 97% compared to standard straight oriented mesh structures.



- High level of reinforcement – up to 8 tonnes per axle (imposed load)
- Ideal for permanent or temporary applications
- Fast and cost effective installation compared to plastic paving grids
- No excavation or soil removal necessarily required
- Up to 97% improved slip-resistance compared to the standard grass protection meshes\*



GrassProtecta® can be used to protect grass on light aircraft taxiways and golf buggy routes.

## Installation Service:

Boddingtons offer an optional installation service. For further information on our dedicated and professional installation team, please refer to page 21 or contact us on 01621 874200.



GrassProtecta® is simply installed onto the existing grass surface. The grass will quickly grow through the mesh apertures and the area will return to a natural grassed appearance. This may take a longer period of time out of the growing season.



Mesh upon installation



After 1 week the grass starts to grow through the mesh



After just a few weeks the grass has fully grown through

## Technical Information



Please contact our technical sales team for further technical literature or advice:

- Specification & Installation guidance
- Product data sheets
- Case studies
- Installation locations

Available to download online at [www.grass-reinforcement.com](http://www.grass-reinforcement.com)

## Fixing Pins & Pegs



Steel U-pins or plastic pegs to secure GrassProtecta® to the ground. Yellow marker pegs are available if required.

PRODUCT	U-PINS	BLACK PEGS
MATERIAL	STEEL	PLASTIC
SIZE (mm)	170 x 70 x 6 dia	140 long
OUTER	50 pack	100 pack
PART No.	041824	060351

SIZE	GRADE	COLOUR	MESH APERTURE (DIAMOND : OVAL)	SLIP RISK* PTV VALUE	WEIGHT	THICKNESS	TENSILE STRENGTH	MATERIAL	PART No.
2m x 20m	Standard	Green	3:1 Ratio	>40 (low)	1.2kg/m <sup>2</sup>	11mm	12kN/m (MD)	HDPE Part Recycled	055876
1m x 10m	Standard	Green	3:1 Ratio	>40 (low)	1.2kg/m <sup>2</sup>	11mm	12kN/m (MD)	HDPE Part Recycled	055869
2m x 20m	Heavy	Green	3:1 Ratio	>40 (low)	2kg/m <sup>2</sup>	14mm	16kN/m (MD)	HDPE Part Recycled	055470
1m x 10m	Heavy	Green	3:1 Ratio	>40 (low)	2kg/m <sup>2</sup>	14mm	16kN/m (MD)	HDPE Part Recycled	055852
1.2m x 2m	Heavy	Green	3:1 Ratio	>40 (low)	2kg/m <sup>2</sup>	14mm	16kN/m (MD)	HDPE Part Recycled	056170

MD - Machine Direction TD - Transverse Direction

Please note that with all plastic products the surface may become slippery in damp or wet conditions if used before the grass has established.

\* Results from research carried out at Sheffield University (Prof. Rob Dwyer-Joyce) July 2008.

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[www.grass-reinforcement.com](http://www.grass-reinforcement.com)