BODDINGTONS

GrassProtecta®

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 grip compared to standard straight oriented meshes. GrassProtecta® is a cost effective solution for:

- Grass overspill car parks
- Domestic driveways
- Front lawn and grass verge parking
- Boat and caravan parking
- Golf course buggy path and maintenance vehicle routes
- Emergency vehicle access routes
- Caravan parks
- Light aircraft taxiways

GrassProtecta® is supplied in 2m x 20m and 1m x 10m rolls in two thicknesses (11mm & 14mm) as determined by the application and manufactured from partly recycled UV stabilised polyethylene (minimum 20% recycled polymer).

Installation is simple; after cutting the grass short, the mesh is unrolled and pinned to the surface using metal U-Pins. 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 Sustainable Urban Drainage System (SUDS) and is the perfect alternative to impermeable paved surfaces where natural grassed traffic routes and driveways are preferred or where planning restrictions are applied or cost savings are being considered.

The oscillated mesh structures allows full natural grass growth whilst improving grip compared to standard straight oriented mesh structures.

It is strongly recommended that GrassProtecta® is left unused for 6 to 8 weeks until the grass has fully grown through.

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GrassProtecta®

- 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
- Improved traction and grip compared to the standard straight orientated protection meshes*

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

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 3 weeks the grass starts to grow through the mesh

After 8 weeks the grass has fully grown through

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

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.boddingtons.com.au

Fixing Pins

Steel U-pins to secure GrassProtecta® to the ground.

PRODUCT	U-PIN	U-PIN
MATERIAL	STEEL	STEEL
SIZE (mm)	170 x 70 x 6 dia	150 x 30 x 5 dia
OUTER	50 pack	20 pack
PART No.	041824	041825

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/m²	11mm	12kN/m (MD)	HDPE 20% Recycled	055876
1m x 10m	Standard	Green	3:1 Ratio	>40 (low)	1.2kg/m²	11mm	12kN/m (MD)	HDPE 20% Recycled	055869
2m x 20m	Heavy	Green	3:1 Ratio	>40 (low)	2kg/m²	14mm	16kN/m (MD)	HDPE 20% Recycled	055470
1m x 10m	Heavy	Green	3:1 Ratio	>40 (low)	2kg/m²	14mm	16kN/m (MD)	HDPE 20% Recycled	055852

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

MD - Machine Direction TD - Transverse Direction

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