

# Hy-Tex GrassMesh™ Reinforcement & Protection Meshes



**GRASSMESH™ FLEX**  
**33% BETTER**  
**SLIP RESISTANCE!**



The **Hy-Tex GrassMesh™** range of robust, extruded, polyethylene meshes provide a discreet method to improve wear resistance and reinforce grass areas used by vehicles and/or pedestrians, whilst maintaining their appearance. This offers outdoor event organisers a practical method to preserve grassed parking areas and improve access and mobility.

They are ideal for car parks, recreation areas, caravan parks, access routes, light aircraft taxiways, livestock areas and urban parkland verges.

All grids are UV stabilised, tough, and rot proof to provide a long service life.

**Hy-Tex GrassMesh™ Medium** is a premium grade, tough, flexible, open mesh best suited for light load permanent turf reinforcement on grass areas used for occasional car parks and footpaths and for anti-ball plugging on golf courses.

**Hy-Tex GrassMesh™ Heavy-Duty** is a strong, dense, grass protection mesh with a rough finish for permanent applications, designed to withstand heavier loads or more frequent trafficking from vehicles/trucks and supplied in extra wide rolls for tracks and less joints.

**Hy-Tex GrassMesh™ Flex** is the next generation of grass protection meshes. Previous meshes proved to be one of the most robust and reliable solutions for protecting grassed areas, but we identified a need for improved slip resistance and flexibility. The unique construction has a high traction surface which is over 33% better than other grass protection meshes. While the re-designing wave mesh pattern makes the mesh more flexible enabling quicker installation. The range comprises of 3 grades and as a guide the Flex 1000 is best suited to pedestrian, wheelchair access and occasional car use; Flex 1400 is suitable for occasional use of light commercial vehicles, caravans and 4x4s and Flex 1800 is suitable for occasional use of HGV's access routes for fire engines and refuse trucks. However, we strongly recommend that you contact us first with your specific requirements in order for us to advise accordingly, please also note that in all cases the ground should be firm and well drained and the individual ground conditions will determine the suitability for using a mesh.

Specifications	Hy-Tex GrassMesh™				
	Medium	Heavy-Duty	Flex 1000	Flex 1400	Flex 1800
Material	HDPE		Polyethylene & EVA (Foam)		
Colour	Green		Green/Brown		
Mesh Size	27 x 27mm	15 x 15mm			
Tensile Strength	4.5kN/m	13kN/m	6.5kN/m	9.5kN/m	11.5kN/m
Overall Thickness	5mm	14mm	9mm	11mm	13mm
Weight	640g/m <sup>2</sup>	2000g/m <sup>2</sup>	1000g/m <sup>2</sup>	1400g/m <sup>2</sup>	1800g/m <sup>2</sup>
Roll Size	2 x 30m	3.9 x 25m	2 x 20m		
Roll Diameter	43cm	73cm	51cm	52cm	59cm
Fixings	150mm long 'U' shaped, or 300mm long 'J' shaped, squared topped, 6mm ribbed rebar fixing staples for all grades applied at average 100 pins/roll. Also optional yellow plastic marker pegs for outlining parking bays and border.				

**Installation Guidelines** For permanent applications it is strongly recommended that installation be carried out during the growing season of early Spring to early Autumn to allow a strong interlock between the mesh and the grass roots, as the intertwining of the roots with the mesh gives the turf the strength to resist trafficking. Therefore vehicles and pedestrians should be kept off the area until the grass has grown at least 25mm and been mown twice with blades high. It is also strongly recommended to address any drainage issues before installing the meshes as they are not intended to compensate for poorly drained ground.

1. Cut grass short and ensure the surface is free of debris and stones and is as even as possible. Fill any depressions with a 70:30 mixture of sharp sand and topsoil, level and firm.
2. Unroll the mesh and ideally leave for a minimum of an hour so mesh regain its natural flatness. Fix one end using our pegs/pins. Pull taut and pin opposite end. Alternatively, trench roll ends into the surface, firm down and peg as normal.
3. Overlap adjacent Medium rolls by at least 150mm. Butt together roll edges of all other grades.
4. Secure overlaps and all external edges at maximum 1 metre intervals for Medium and 300 to 500mm for all other grades to ensure there are no raised edges. For additional security fix along centre of each roll at 1 to 2m centres.
5. Add further pins, where necessary, to ensure the mesh fits tightly to the ground (average usage 100 pins per roll).

6. When satisfied that the mesh is flat and secure, brush a dressing of good quality sandy topsoil over the mesh. Ensure that the mesh filaments are covered and the apertures are filled. This will help promote root growth under the mesh.
7. Any areas that have been levelled with sandy topsoil should be seeded at a rate of approximately 30g/m<sup>2</sup>.
8. For best results pedestrians and traffic should be kept off the treated areas until the grass has become fully established over the mesh. This usually takes 3 to 4 weeks during the growing season. Warning: Although we supply the most slip resistant meshes we can not account for variances in climatic and ground conditions so they may be slippery in wet weather, or under icy conditions, and care should be taken if pedestrians are allowed to walk on the mesh before the grass is established.
9. Set mowers to cut fairly high for the first 2 to 3 cuts, so that contact with the mesh is not made. When the grass is established and the roots are entwined with the mesh, the grass can be cut normally.
10. If any raised areas appear after the initial installation, these can be addressed by using additional U-pins.

*Please note the all information is given as a guide only. Hy-Tex cannot be held liable for damage caused by incorrect installation of this product. Final determination of the suitability of any information or material for the use contemplated and the manner of its use is the sole responsibility of the user and the user must assume all risk and responsibility in connection therewith.*