



Plantex[®] GroundGrid[®]

An ideal combination of ground stabilisation,
confinement and drainage





DuPont™ Plantex® GroundGrid® is a strong, threedimensional and permeable fabric with an innovative honeycombed cellular structure. It is used to confine aggregate, stone, gravel or soil to deliver a firm and stabilised surface for both pedestrian and trafficked areas in a much more durable and effective way than loose laying. It also enhances drainage, as the advanced non-woven structure permits rain water to pass through both horizontally and vertically, thereby preventing the pooling of water or localised flooding that can otherwise occur during heavy rain fall.

Minimising gravel migration and wheel rutting, Plantex® GroundGrid® offers high tensile strength, is ideal for curved or tortuous paths and also highly suited to uneven terrain or to the passage of wheelchairs, prams, buggies, bicycles, motorcycles, and even high heels! Supplied in tightly packed concertina form, Plantex® GroundGrid® is lightweight and easy to expand, cut to size on site, and install.

Benefits:

- Light weight but high strength material
- Water permeable in all directions
- Helps to create drained surfaces
- Minimizes risk of flooding by reducing surface rainwater runoff
- Flexible material, ideal for curved or winding pathways

- Supports occasional light traffic
- Easy to transport as product is folded
- Does not deteriorate
- Rot resistant

Properties	Test method	Unit	Mean Value
Product Description			
Diameter of the cells		mm	55
Basis weight	EN ISO 9864	g/m ²	190
Thickness under 2 kN/m ²	EN ISO 9863-1	mm	0.54
Hydraulic characteristics			
Water permeability VI _{H50}	EN ISO 11058	mm/s	35
Mechanical characteristics			
Elongation at break	EN ISO 10319	%	55
Tensile strength	EN ISO 10319	kN/m	13
Opening size O _{90W}	EN ISO 12956	µm	80

All values are given for the vertical cell structure.

For a cell diameter of 55 mm, gravel in the range of 8/16 (or similar) is recommended.

Note: The values correspond to average results obtained in our laboratories and external institutes and are indicative. This information may be subject to revision as new knowledge and experience become available.

Dimensions

55 mm x 50 mm 1.25 m x 8 m

Plantex®
GroundGrid®

For larger projects,
other sizes on request.

- Avoid any contact of the product with any kind of pesticides, especially herbicides.
- Visit www.plantexpro.dupont.com for specific installation instructions for Plantex® GroundGrid®.



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The product information available here corresponds to our current knowledge and experience on the subject. It is offered solely as information and to provide possible suggestions for your own experimentation to determine for yourself the suitability of our products for your particular purposes and for any specific application of our products. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions DuPont de Nemours has no obligation relative to results and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a licence to operate under or a recommendation to infringe any patent right.