

DuPont™ GroundGrid®

Geocells for surface stabilisation

Use

- Perfect for creating draining surfaces
- Stabilises gravel surfaces in domestic parking areas and paths.
- Prevents erosion on slopes and sloping pond banks

Properties

- Three-dimensional honeycomb structure based on a non-woven, 100% polypropylene fabric
- Cell width 55 mm or 110 mm
- Cell height 50 mm or 100 mm
- Does not rot in the soil

Advantages

- Light, compact product
- Reduced storage space and transport cost due to its folded transport packaging
- Porosity allows vertical and horizontal water penetration and minimises risks of flooding by reducing surface rainwater runoff
- Flexible, can be cut to required dimensions with scissors
- Prevents rutting by car wheels normally found on gravel surfaces
- Supports occasional heavy traffic
- Offcuts completely recyclable, because 100% PP



Matrixx Company F-37/A, Block 4, Clifton, Karachi-75600, Pakistan
Tel: 583-3127 to 29, Fax: 583-3124
E-mail: matrixxco@yahoo.com, Web: www.matrixxco.net



The miracles of science™

Technical characteristics

Product range

| Cell size in mm (Ø/height) | Nonwoven fabric | Grid area | Grid weight | Per pallet* |
|----------------------------|----------------------|--------------------------------------|-------------|---------------------|
| 55/50 | 190 g/m ² | 1,25 m x 8 m (10 m ²) | 4,7 kg | 1000 m ² |
| 55/100 | | | 9,5 kg | 500 m ² |
| 110/50 | 290 g/m ² | | 3,5 kg | 1000 m ² |
| 110/100 | | | 6,9 kg | 500 m ² |

* Pallet size: 1.65 m x 0.9 m x height 1 - 1.35 m

Nonwoven fabric

| Properties | Standard | Unit | 55/50 and 55/100 | 110/50 and 110/100 |
|--|---------------|------------------|---------------------|-----------------------|
| Mass per unit area | EN ISO 9864 | g/m ² | 190 | 290 |
| Thickness 2kN/m ² | EN ISO 9863-1 | mm | 0.54 | 0.75 |
| Tensile strength | EN ISO 10319 | kN/m | 13 | 21 |
| Elongation | EN ISO 10319 | % | 55 | 55 |
| Apparent opening size O _{90w} | EN ISO 12956 | µm | 80 | 70 |
| Water permeability | EN ISO 11058 | mm/s | 35 | 15 |

These values are nominal values recorded in our laboratories and by independent institutes and are indicative.

| Applications | 55/50 | 55/100 | 110/50 | 110/100 |
|---|-------|--------|--------|---------|
| Driveways and patios | ● | ● | | ● |
| Footpaths/forest paths/bridle ways | ● | ● | ● | ● |
| Cycling lanes | ● | ● | | |
| Horse boxes | | ● | | ● |
| Residential car parks and driveways | ● | ● | | ● |
| Golf cart paths | ● | ● | | |
| Sloping pond edges | ● | | ● | |
| Erosion prevention on slopes (angle <20°) | | | ● | |
| Erosion prevention on slopes (angle <30°) | ● | ● | | |
| Retaining wall height <2m | | ● | | ● |

Note on gravel:

- Always cover with a surcharge of at least 3 cm

- Always use crushed stones for filling up the cells; no round or washed stones!

Recommended gravel size for 55 mm cells 8/16

Recommended size for 110mm cells 16/32

For installation please see our installation guide

For further information on products and installation, visit our website:
www.plantexpro.dupont.com

Product safety information is available upon request. This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. 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 makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.