

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 



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

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.

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