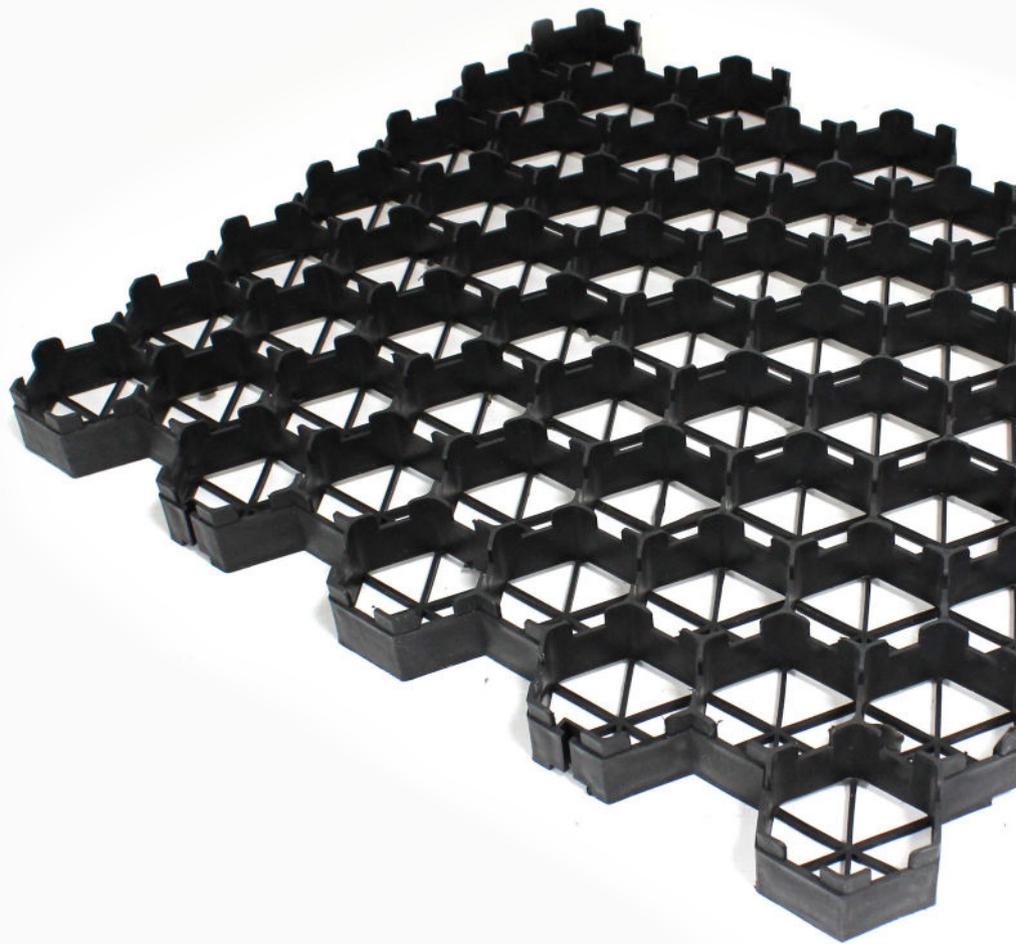
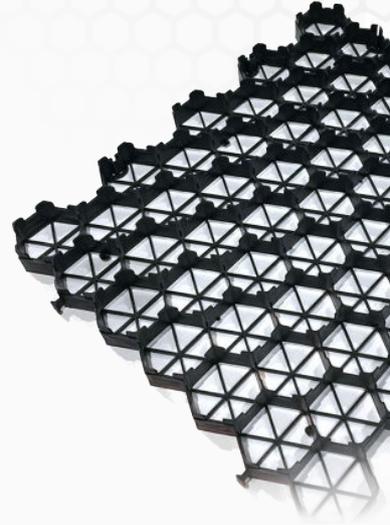


LITE GRID
Ground Reinforcement



LITE GRID

Ground Reinforcement



Overview

Polycon Lite Grid, a new and revolutionary development in ground reinforcement. It is tough, flexible and easy to install making it the professional choice for a wide range of construction projects.

Manufactured in the UK from 100% Recycled material which is diverted from land fills. Lite grid is the environmental and sustainable solution of choice to prevent ground erosion. The honeycomb pattern tiles provide an interlocking system that can be laid at ground surface level and then either filled with stone, gravel, or can be seeded.

Use Lite Grid to create the ultimate, hassle-free driveway – it prevents gravel migration and will keep your drive rut free resulting in a maintenance-free area with high aesthetic appeal – qualities that also make it perfect for green car parks and construction projects.

Benefits That Matter

- Quick and easy to install
- Lightweight and easy to handle
- Surface reinforcement with natural drainage
- Reduced on site costs
- Minimal maintenance
- Non-slip and crack proof
- Weatherproof and environmentally friendly
- Frost and UV resistant
- Cut to size
- Dimensionally Stable
- Prevents gravel migration
- Sustainable
- High Strength (up to 250t/m²)
- Up to 16 tonne axle load
- Non expanding
- Low transport and handling costs
- Manufactured out of recycled plastic
- 100% Recycled & Recyclable

Applications

- Construction Sites
- Green car parking areas
- Private lanes and access roads
- Pathways and drives
- Golf courses
- Landscapes
- Equestrian and livestock facilities
- Green roof and rooftop gardens
- River and road embankments
- Private Airfields
- Towpaths
- Embankment Stabilisation
- Residential driveways
- Emergency access routes
- Helicopter landing pads
- Cycle routes
- Equestrian Routes



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Polycon Lite Grid, a new and revolutionary development in ground reinforcement. It is tough, flexible and easy to install making it the professional choice for a wide range of construction projects.

- 100% Recycled
- Frost & Heat Resistant
- Minimal Design
- Cuts to size
- Cost Effective
- Lightweight



Specifications

| | |
|---|--|
| Grid Area: | 455mm x 525mm x 40mm |
| Wall Thickness: | 4mm |
| Wall Depth: | 40mm |
| Weight Per Panel: | 1.65kg |
| Weight Per Pallet: | 482.79kg |
| Number of Tile Per M² | 4.18 |
| M² Per Pallet | 70M ² |
| Load Capacity: | Up to 350 Tonnes Per M ² |
| Axle Weight: | Up to 16 Tonne |
| Material: | 100% Recycled UV Stable Polyolefin |
| Temperature Stability | -50°C to 90°C |
| Chemical Resistance: | Sodium Chloride (rocksalt), Ammonia, Acid Rain, Petroleum Products, Hydrocarbons |
| Base Specifications: | Minimum base recommended: 250mm for car parks. 450mm for heavier vehicles |
| Applications and Suggested Use | General purpose domestic parking filling with gravel or grass filling; overflow parking; ground stabilisation for footpaths; golf course; parking areas on airstrips; banks and ditches; paddocks and farms; high wear gateways; green roofs |

Installation Guide

The following instructions are intended as a guide only. In general the same preparation procedures used for traditional paving solutions used in the construction of footpaths, driveways and access routes should be adopted. These guidelines assume that a sub-base is to be used beneath the paving system.

1. The areas to be protected should be marked out and excavated to the following depths depending upon the final use. Remember to add the depth of the Lite Grid to the figured quoted if the lite grid is to finish to the surface.

| Project | Typical Depth |
|------------------------------|---------------|
| Patios / Garden Paths | 75mm - 100mm |
| Driveways / Public Footpaths | 100mm - 150mm |
| Heavy Uses | 150mm - 225mm |
| Highways | 150mm + |

Please note the use of Polycon Lite Grid profiles as the edging boards - further details upon request.

2. Once the full area is excavated the sub-base can be installed. Compact the full area to be as level as possible using either a vibrating plate or for larger areas a vibrating roller.
3. A thin 40mm layer of sharp sand / soil mix should be laid over the sub- base to level out any imperfections or hollows in the surface of the sub-base. If the area is to be grassed this mix will provide a suitable substrate for grass root survival and growth.
4. Once the area is level the Lite Grid can be interlocked and laid. The Lite Grid is delivered in pre-locked 1 square metre sections to aid installation however any that need to be cut should be measured and cut before installation where possible leaving full, complete cells along the outer edge.
5. The area can then be backfilled with the medium to be used. If using gravel we recommend the use of a 10mm or less as this will ensure better filling of the cells. If this area is to be grassed, we recommend using a 70/30 root zone mixture; this will prevent the hard compaction of the cells which could be associated with just using topsoil which would limit grass growth. Initially fill to about 10mm below the top surface of each grid as this will protect the grass in its initial growing phase. The whole area can then be seeded and watered.
6. An optional weed suppressant membrane can be used on top of the sub-base before applying the sharp sand as this will prevent weed growth but will allow for natural drainage of rain water the ground below.





Polycon Surface Water Drainage

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