

Installation Guide

GOLPLA™ GRASS/GRAVEL PAVING CELL



Installation Method – Prepare Ground

1. Excavate existing ground to suit application and CBR conditions. Check subsoil permeability and water table. Install suitable drainage system if infiltration not possible. (Drainage is a key element for the performance of the system)
2. Lay Turftex Geotextile, overlapping joints by 300mm
3. Lay reinforcing Geogrid if required
4. Install the required depth of sub-base Type 3 (open graded granular sub-base) as described in **Specification for Highways Works Clause 805**
5. Bedding Layer



For Gravel surface: Lay second layer of Turftex geotextile and then a layer of 25mm of grit/sharp sand (according to BS7533) (just rolled not compacted)

For Grass seed/soil surface: Install 50 – 100mm bedding layer of 80/20 Rootzone (+– 10mm) (just rolled not compacted)

For Grass Pre-Grown surface: Install 50 – 100mm bedding layer of 80/20 Rootzone (+– 10mm) (just rolled not compacted)

Maximum Recommended Gradients:

Gradient Ratio
1 in 15

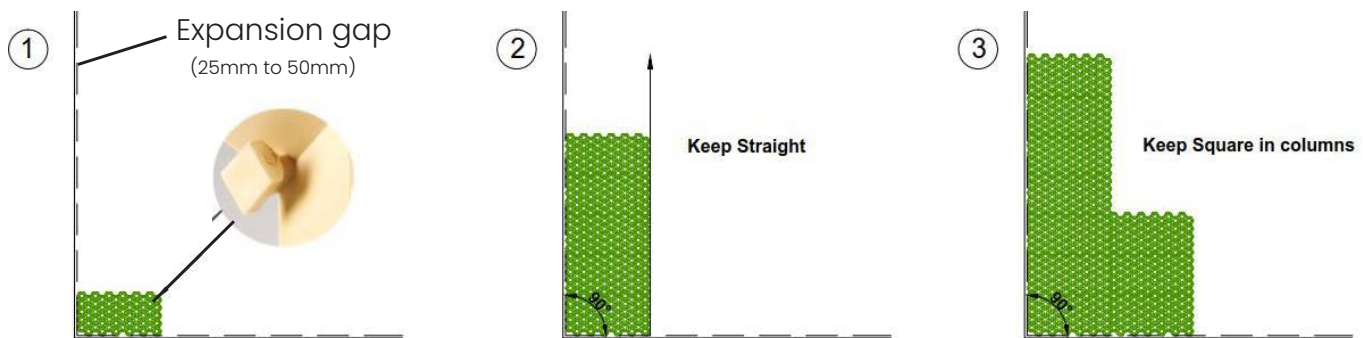
Degrees
4°

Percentage
6.7%

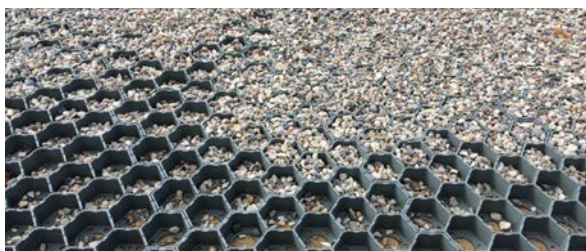
Installation Method – Laying Units



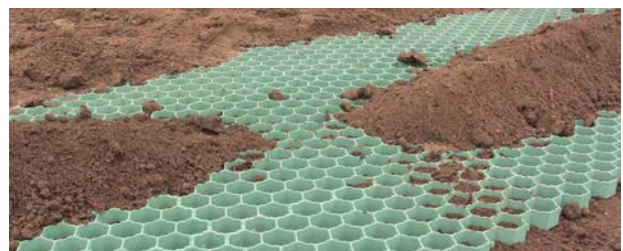
Laying of Golpla™ Units



- Start in the bottom left hand corner leaving a 25 to 50mm expansion gap around the perimeter
- Lay first unit with connecting tabs facing forward, ensure line is straight and complete first row
- Start second row ensuring it is square to the first row; do not lay in 2 directions at the same time
- Line up all long and short sides, do not lay in a bond. Allow a 25mm expansion gap every 20 metres and against any kerbs in the body of the surface
- Continue until all units are installed; consolidate the surface with a plate compactor or light roller
- Dimensions of each Golpla™ unit: 640mm long by 330mm wide by 38 mm in depth

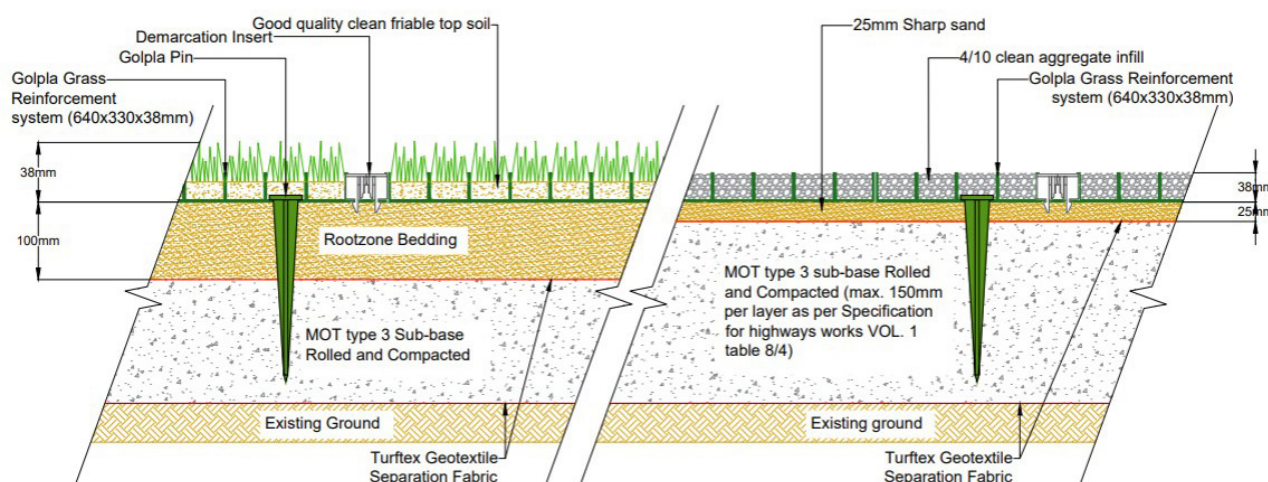


Gravel over Golpla™



Soil over Golpla™

Installation Method – Laying & Filling of Units



- For ease, pilot a hole and then insert Golpla™ pins evenly at a rate of 1 per square metre
- Cut Golpla™ units with a hand or power saw to fit the shape of the area
- Any cut units should be installed with additional pins
- Insert demarcation markers as required before filling

Filling the Golpla™ Units

For Gravel surface: Use 4-10 clean angular aggregate to completely fill units leaving the top edge visible.

For Grass seed or soil surface: Use good quality friable top soil to fill the units. DO NOT compact. Remove any overfill leaving the plastic edge visible and allow to settle (settlement can be achieved with a light vibrating plate). This will leave a 5-10mm gap and should NOT be topped. Apply grass seed.

For Grass Pre-Grown surface: Water within 6 hours of laying and then regularly for a minimum of 4 weeks

Golpla™ Aftercare Tips (✓)

- ✓ Cut the grass as required but keep the blades above their lowest setting to avoid the risk of clipping the Golpla™ units.
- ✓ Remove grass cuttings.
- ✓ Apply a fertiliser in the spring and autumn months to keep the grass healthy and at other times as required.
- ✓ In the case of soil and seed, it can take 6 months before the grass has established sufficiently to enable regular traffic.

About Geosynthetics

About Us

Not just a product supplier, Geosynthetics Limited promotes and leads innovation throughout the UK to deliver sustainable geosynthetic solutions for an improved environment.

Using extensive knowledge of product and applications the company have an enviable reputation for technical excellence and customer service, offering next day delivery and free engineering support to achieve the desired objectives, save time, reduce carbon and cost wherever possible.



Our Best Service



Next Day Delivery

Our fully stocked distribution center established in the East Midlands makes UK direct to site next day deliveries possible.



Free Engineering Service

Our Engineering Department (Staffed by fully qualified civil engineers) has been created to give you free technical support and to provide solutions involving our range of products.



Large Stock Holding

We hold over £2m worth of stock in our East Midlands distribution centre allowing us to enable quick order turnarounds.



Site Visits

Our team includes industry experts offering you support & advice throughout your order process. This enables us to offer services such as site visits to assist you with choosing the best solution for your project.

Get in touch



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