

BODPAVE™ 85

A heavy-duty plastic porous paving grid.



The Reduced Dig method of installation for BodPave™ 85 on firm ground conditions for pedestrian and light vehicle access.

BodPave™ 85 is a strong, interlocking, UV stabilised, 100% recycled plastic paving grid suitable for grass reinforcement, ground stabilisation and gravel retention for trafficked surfaces (vehicle and pedestrian). These paving grids are an effective solution to worn and rutted grassed areas, displaced gravel and a source of control for surface water run-off. It can be filled with grass or gravel to support loads up to 400t/m².

The reduced dig method requires minimal site

APPLICATIONS

- Light vehicle parking and access routes
- Pedestrian access and cycle routes
- Tree root protection
- Golf buggy paths and tow paths
- Caravan and leisure site access routes
- Wheelchair and disabled access (DDA compliant)
- Light aircraft parking and taxiways



preparation or variation to existing levels while reducing installation time, costs and import of materials and disposal of debris. It offers rapid establishment and on-site usage after installation. BodPave™ 85 is compliant with current guidance for sustainable urban drainage systems (SuDS).

SITE SUITABILITY

- Where existing ground conditions are firm (CBR > 7%) and free draining or where a suitable hardcore/stone base already exists
- Where trafficking is irregular or occasional
- Where loads will not exceed that of cars/light vans



TECHNICAL SPECIFICATION

Material:

100% recycled polyethylene

Colour:

Black, Green

Paver Dimensions:

500mm x 500mm x 50mm + 35mm ground spike

Installed Paver Size:

500mm x 500mm (4 grids per m²)

Nominal Internal Cell Size:

Castellated 67mm plaque and 46mm round shaped

Structure Type:

Rigid-walled, flexible semi-closed cell combination

Cell Wall Thickness:

2.5mm - 4.4mm

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Weight (Nominal):1.56kg/paver (6.24kg/m²)**Load Bearing Capacity (Filled):**< 400 tonnes/m²**Crush Resistance (Unfilled):**

< 250 tonnes

Basal Support and Anti-Shear:

Integral 35mm long cross and T section ground spikes

Open Cell %:

Top 92% / Base 75%

Connection Type:

Overlapping edge loop and cell connection

Interlock Mechanism:

Integral self-locking snap-fit clips

Chemical Resistance:

Excellent

UV Resistance:

High

Toxicity:

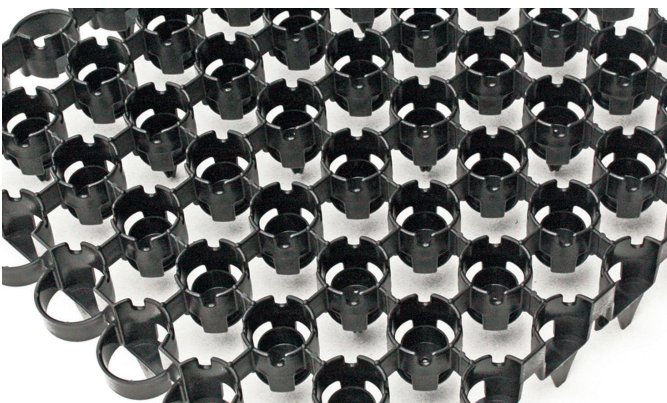
Non-toxic

INSTALLATION

Once ground conditions have been confirmed as suitably firm and free-draining for this reduced dig application, one of the following methods should be carried out.

For Grassed Surfaces

1. Cut the grass close to the surface or where specified remove the turf/topsoil to a depth of <1000mm. Dispose of debris. Level formation layer, lightly consolidate and install drains as specified.
2. Install edge retention as specified - either tanalised timber boards, concrete, steel or plastic kerbs as appropriate.
3. Place a layer of Terram TX160 geogrid on the formation layer and pin flat to the surface as required. Note - Terram T1000 can be installed prior to the Terram TX160 to prevent migration/contamination.
4. Place a 50mm thick bedding layer of 4 - 15mm diameter of angular gravel/aggregate evenly over the geogrid. The geogrid must not become exposed above the aggregate layer.
5. With the 2 sets of edge loop connectors facing in the direction of laying, place BodPave™ 85 firmly onto the screeded bedding layer so the ground spikes are pressure fully into the bedding so the base of the paver cells sit flat on the surface. Connect adjacent pavers by slotting the edge cell connectors down (loops always lead). Pavers are locked in place by the integral snap-fit clips. Progress over the area in rows. Use protective gloves to avoid abrasions.
6. Pavers can be offset by 1 cell increments or cut to fit around obstructions and curves using a hand or power saw. The use of cut pieces which do not have integral snap-fit connectors should be avoided wherever possible.
7. Fill pavers with specified propriety rootzone to finished levels of 5 - 7mm below the top of the



cells after settlement. A light vibrating plate compactor may be used to consolidate the pavers and settle rootzone fill. Do not overfill the cells. Additional settlement of the rootzone may occur where an open graded bedding is used and further topping-up may be required.

8. Rootzone fill must be a free-draining, structurally sound proprietary blend of sand:soil or sand:compost such as used in sports/ golf construction and normally identified as a 60:40 or 70:30 ratio blend. The use of site-won materials or in-situ self-blending is NOT recommended without taking further advice.
9. Carry out a normal seeding, fertilising and watering programme. A very light top dressing may be applied to just cover the seed and to provide adequate germination conditions. Do not overfill the paver cells. Thin-cut or washed turf may be rolled into the surface as an alternative if required.
10. The surface may be trafficked immediately, but it is preferable to allow grass to fully establish prior to use.



For Retained Gravel Surfaces

1. Follow steps 1 to 6 above. Note: an optional geotextile fabric layer Terram T1000 geotextile can be placed onto the formation prior to the Terram TX160 geogrid installation (step 3), to prevent migration/contamination.
2. Fill the pavers with the specified angular gravel or aggregate. Preferably a clean, evenly graded angular material with a range of 4 - 15mm diameter. Rounded pea gravel is not recommended.
3. Consolidate the surface using a light vibrating plate compactor if required.
4. Refill any localised low areas with aggregate and repeat consolidation until satisfied with final compacted finish.
5. The surface can be trafficked immediately.



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