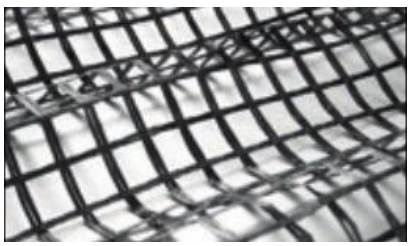
INSTALLATION - GRAVEL

1. Excavate ground to the required formation level.*

2. Unroll the geotextile (Terram 1000 or equivalent) and geogrid (if required due to ground conditions) onto the prepared subgrade with a minimum of 300mm overlap at the joints.

3. Place and compact MOT type 3** open graded granular material on top of the geotextile layer to the required compacted thickness determined by the designer (minimum 100mm) to form a strong permeable subbase layer.



* For subbase guidance see separate Product Design and Subbase Guide

**Type 3 is an open graded granular material described in the Specification for Highways Works clause 805. If a higher water storage (attenuation) capacity (void ratio) is required a hard crushed angular "clean stone" such as a course graded aggregate (CHA) type 4/20 (4mm minimum and 20mm particle size) can be used. Traditional well graded type 1 aggregate (with suitable drainage) may be used to form the subbase layer as determined by the designer. For further guidance regarding drainage options and subbase material see design notes and material specifications.

INSTALLATION - continued

4. Install edge restraints as specified; traditional precast concrete kerbs, steel, plastic or treated timber boards/sleepers.

5. Install a second layer of geotextile or Inbitex on top of the subbase with a minimum of 300mm overlap at the joints.

6. Place, compact and screed granular bedding material (angular gravel or grit sand) to a minimum uniform thickness of 35mm. See material specification section for more guidance on suitable bedding materials. The use of rounded pea shingle/gravel is not recommended.

INSTALLATION - continued

7. Start in the corner of the longest straight edge (kerb) leaving a 25mm expansion gap around the perimeter.

8. Place a pre-connected set of 4 Bodpave units (1m x 1m) with the loop connectors facing outwards as a "leading edge" towards the remainder of the prepared bedding layer. Apply firm pressure so that the ground spikes are pressed fully into the bedding and the base of the units sit flats on the bedding layer surface.

9. Connect adjacent Bodpave units together by slotting the edge half cells into the edge loops. Progress in rows (LOOPS ALWAYS LEAD) locking units in place with firm pressure over the snap-fit clips. If separation is required, clips can be dislocated using careful, firm hand or screwdriver pressure or by gently twisting the pavers.

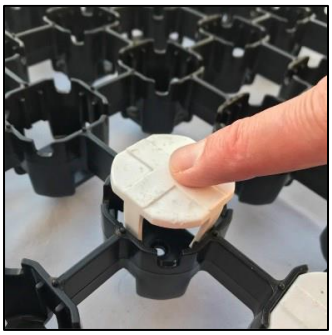
INSTALLATION - continued

10. Cute pavers to fit around obstructions and at the end of row using a fine toother hand or circular saw. Partial units should be fixed using snap-fit clips and additional UV resistant nylon cable ties.

11. Install snap-fit markers as required before filling Bodpave units.

12. Once all Bodpave units have been installed, fill pavers with clean angular aggregate gravel chippings level with the top of the units – do not overfill. A light vibrating plate compactor may be used to consolidate the pavers and settle the fill. Top up the cells as required after settlement. The use of rounded pea shingle/gravel is not recommended.

13. The surface may be trafficked immediately.



FILL MATERIALS

Bodpave Surface Fill

Description	Clean angular hard aggregate gravel chippings
Aggregate Size	6 to 10mm
Typical Source Quarried Rocks	Granite, basalt, hard limestone
Grading to BS EN 13242	Gc 80/20 6/10
Comments	Rounded pea shingle is NOT suitable

Bedding Layer (Option 1)

Description	Option 1 - Clean angular hard aggregate gravel chippings
Aggregate Size	6 to 10mm
Typical Source Quarried Rocks	Granite, basalt, hard limestone
Grading to BS EN 13242 or 12620	Gc 80/20 6/10
Comments	Rounded pea shingle is NOT suitable

Bedding Layer (Option 2)

Description	Option 2 – Course grit (sharp) sand
Aggregate Size	0 to 4mm
Grading to BS EN 13242 or 12620	Gc 85 0/4 Site category II <1.5% fines (0.063mm)

FILL MATERIALS

Subbase (Option 1)

Description	Well graded granular DoT Type 1 (with filter drains)
Aggregate Size	0 <63mm
Grading to BS EN 13242	Gc 75/32 1/31.5 (SHW Clause 803)

Subbase (Option 2)

Description	Permeable open graded granular DoT Type 3 (Type 1x)
Aggregate Size	0 to 40mm
Grading to BS EN 13242 or 12620	Gc 80/25 1/40 (SHW Clause 805)

Bedding Layer (Option 3)

Description	Clean stone, course graded aggregate type 4/20
Aggregate Size	4 to 20m
Grading to BS EN 13242 or 12620	Gc 90/15 4/20