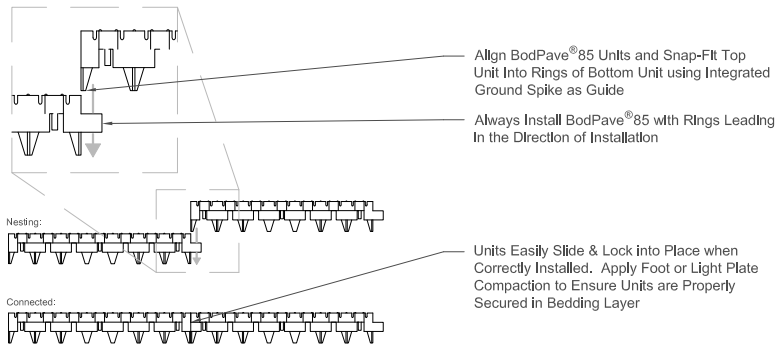
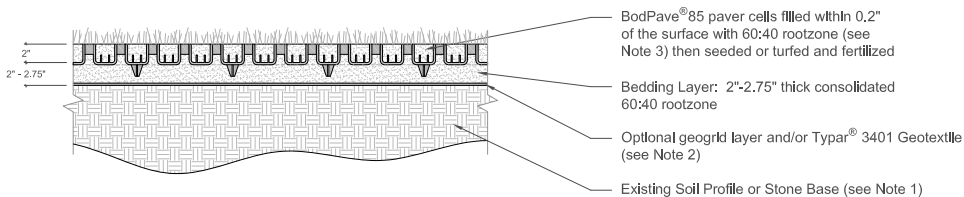


1 **BodPave®85 : Reduced Dig Paving Grid**
Scale : N.T.S.



2 **BodPave®85 : Snap-Fit Connections**
Scale : N.T.S.



3 **BodPave®85 : Reduced Dig : Typical Construction Profile**
Scale : N.T.S.

DESIGN NOTES:

- Note 1: Determination of requirement for placement of an imported sub-base for the application and the required thickness of that sub-base material shall be determined by the strength and condition of the existing soils, the extent of allowable excavation and in consideration of the proposed traffic loadings. Standard Bodpave®85 Access Route design may apply. Certain ground conditions may require placement of a drainage system within the design.
- Note 2: Specific site criteria will determine if geogrid &/or Typar® 3401 Geotextile are required.
- Note 3: Rootzone bedding and paver fill must be a free-draining, structurally sound, properly blend of sand/soil or sand/compost such as used in sports/golf construction & normally identified as a 60:40 or 70:30 ratio blend. The use of silt-on materials or in-situ self-blending is NOT recommended without further advice from Polymer Group Inc.
- Note 4: Maximum advised gradient for traffic applications: 12% (1:8) 7'. Bodpave®85 has specific pegging points if required for steep slope applications. Pegging is not necessary for standard access route applications.

Specific advice on the use of BodPave®85 on steep slopes, drainage suitability and Low Impact Development (LID) applications, can be obtained from Polymer Group Inc.

SITE SUITABILITY

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

Table 2 : Paving Grid Specification

Description	Data
Product	BodPave®85
Material	100% recycled polyethylene
Color options	Black, Green & Natural
Paver dimensions	19.7" x 19.7" x 1.97" + 1.37" ground spike
Installed Paver size	19.7" x 19.7" (4 grids per 1.2yd ²)
Nominal Internal cell size	Castellated 2.6" Plaque & 1.8" Round Shaped
Structure Type	Rigid-walled, flexible semi-closed cell combination
Cell wall thickness	0.1" - 0.2"
Weight (Nominal)	3.4lbs/paver
Load bearing capacity (filled)	< 367 tons/yd ² *
Crush Resistance (unfilled)	< 275 tons*
Basal support & Anti-Shear	Integral 1.35" long Cross & T section ground spikes (18 per paver)
Open cell %	Top 92% / Base 75%
Connection type	Overlapping Edge Loop & Cell connection
Interlock Mechanism	Integral self locking Snap-Fit Clips
Chemical resistance	Excellent
UV resistance	High
Toxicity	Non Toxic
Bedding Layer	60:40 rootzone 2"-2.75" thick
Paver fill (seed bed)	60:40 rootzone 1.7" thick
Bedding Layer Reinforcement	Tensor TriAx™ TX160 geogrid (Table 1 & Notes 1-4 & 7)-Specification on request.

Chart 1: Field guidance for estimating sub-grade strengths

Consistency	Indicator		Strength		
	Tactile (feel)	Visual (observation)	Mechanical (test)	CBR	CU
			SPT	%	kn/m ²
Very Soft	Hand sample squeezes through fingers	Man standing will sink > 3"	<2	<1	<25
Soft	Easily molded by finger pressure	Man walking sinks 2- 3"	2-4	Around 1	25-40
Medium	Molded by moderate finger pressure	Man walking sinks 1"	4-8	1-2	40-75
Firm	Molded by strong finger pressure	Utility truck ruts 0.5" - 1"	8-15	2-4	40-75
Stiff	Cannot be molded but can be indented by thumb	Loaded construction vehicle ruts by 1"	15-30	4-6	75-150

This field guide is provided as an aid to assessing the mechanical stabilization requirements in commonly encountered site conditions. Polymer Group Inc. accepts no responsibility for any loss or damage resulting from the use of this guide.

For BodPave®85 product specification please refer to the Design documents for use in Grassed & Gravel Surfaces.

*Research carried out by Sheffield University UK Department of Mechanical Engineering. (Rennison/Allen March 2009)

Please note that the information above is given as a guide only. All sizes and weights are nominal figures and may vary to what is published. Polymer Group Inc. cannot be liable for damage caused by incorrect installation of this product. Final determination of the suitability of any information or material for the use contemplated and the manner of its use is the sole responsibility of the user and the user must assume all risk and responsibility in connection therewith.