$(\bigcirc)$  $(\bigcirc)$ =((⊙)  $( \bigcirc )$ (O)(0  $\bigcirc$ 0  $(\bigcirc)$  $(\circ)$  $\bigcirc$  $(\bigcirc)$  $( \bigcirc )$  $\bigcirc$ 500mm  $\bigcirc$  $(\bigcirc)$  $(\bigcirc)$  $( \bigcirc )$ **-((⊙**) (O) (O) 70  $\bigcirc$ (O)  $(\bigcirc)$ 

 $(\bigcirc)$ 

0

 $\tilde{O}$ 

(0

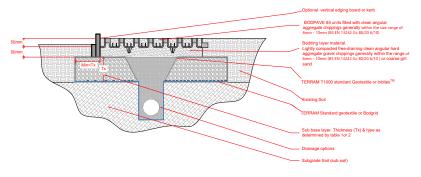
BODPAVE 85 paver cells filled with angular aggregate generally within the range of 6mm - 10mm (BS EN 13242 Gc 80/20 6/10)

BodPave®85 - Typical Plan View

 $( \bigcirc )$ 

0

Scale: N.T.S.



3 BodPave®85: Gravel Surface : Typical Construction Profile Scale : N.T.S.

## **DESIGN NOTES:**

Note 1: Minimum subbase thickness (Tx) can be selected from table 1 or 2. In the absence of any site specific ground investigation report, refer to the ground strength and permeability estimate on Pg 9 of the the specification, design and installation guide.

Note 2: If the Terram Bodgrid layer is omitted, then the total sub-base layer thickness (Tx) must be increased by 50%. A Terram standard geolextile separation layer should be specified with lower subgrade strength (CBR value) requiring a more robust grade in accordance with BS8661:2019 (see table 2).

Note 3: Bodpave units are an ideal surface for source control procus paving SUDS (Sustainable Drainage Systems) with a permeable sub-base; DoT Type 3 (Type 1x) porouslopen graded granular material as described in Specification for Highways Works clause 605. If a higher water brancing (attenuation) capacity (void ratio) is required a hard crushed angular "clean stone" such as a course graded aggregate (CGA) type 4/20 (4 mm minimum and 20 mm narimum par tide size) on the used. The type of SUDS design (attenuation, total or parial infiltration) will depend upon the underlying ground conditions and not all sizes are suitable for infiltration. Well-on High Capital Systems with a size and underlying ground conditions and not all sizes are suitable for infiltration. Well-on High Capital Systems with an impermetable membrane directly on top of the subgrade is recommended. Specific advice on suitable drainage and construction over very week ground (CBAF 475) is a variable for TERPAVA.

Note 4.4 Mornaterial practicional DOT Type 1 well graded granular material may be used for the subbase provided that an adequate derinange specified in the properties of the production of the

Note 5: The sub-base must be covered with a layer of Terram T1000 standard or Inbitex<sup>TM</sup> nonwoven geotextile to prevent settlement due to mixing of the bedding & subbase layers and to provide filtration

Note 6:Bedding layer material should be lightly compacted, free-draining clean angular hard aggregate gravel chippings generally within the range of 6mm - 10mm (85 EN 13242 Gc 80/20 6/10) or coarse grit sand. Bodpave units should be filled with clean angular aggregate chippings generally within the size range of 6mm - 10mm (85 EN 13242 Gc 80/20 6/10). Rounded pea shingle is not suitable.

Note 7: The final pavement and drainage design should be undertaken by a suitably qualified civil engineer and based on specific site conditions.

Note 8: Maximum advised gradient for traffic applications is 12% (1:8) 7°, Bodpave units have specific fixing points for steel u-pins if required for steep slope applications.

## TABLE 1 MINIMUM SUBBASE THICKNESS (Tx) WITH BODGRID

SUBGRADE	Cars/ light vehicles (#)		Coaches/Heavy goods/emergency vehicles (#)		Overlap
CBR* %	Thickness (mm)	Bodgrid	Thickness (mm)	Bodgrid	(mm)
1	300	GC30	400	GC30	600
2	150	GC30	250	GC30	500
3	125	GC30	175	GC30	450
4	125	GC30	150	GC30	400
5+	100	GC30	125	GC30	300

## TABLE 2 MINIMUM SURBASE THICKNESS (Tx) WITHOUT BODGRID

TABLE 2 MINIMOM SOBBASE THICKNESS (TX) WITHOUT BODGRID								
SUBGRADE	Cars/ light vehicles (#)		Coaches/Heavy goods/emergency vehicles (#)		Overlap			
CBR* %		Standard geotextile	Thickness (mm)	Standard geotextile	(mm)			
1	450	T2000	600	T2000	600			
2	225	T1500	375	T1500	500			
3	200	T1000	300	T1000	450			
4	200	T1000	225	T1000	400			
5+	150	T1000	200	T1000	300			

# Regular tight turning of vehicles and "dry" steering may cause damage to the Bodpave units and/or displace gravel infill, vehicle manoeuving should be carefully considered at specification/design stage.

Gravel filled units may require some maintenance when subjected to regular channelised and turning traffic loadings. Terram Bodpave 85 and Truckpave<sup>100</sup> policious are generally recommended for occasional overrun or regular HDV staff respectively. If construction traffic and eld exceeds 600M, Cf Gromes, minimum subseas telicious sover ETRRAM Bodgard bet 200mm.



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NOT FOR CONSTRUCTION

DISCLAMER:

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