

Netpave® 50 Grass Paving System design and installation guidance for Gravel Surfaces

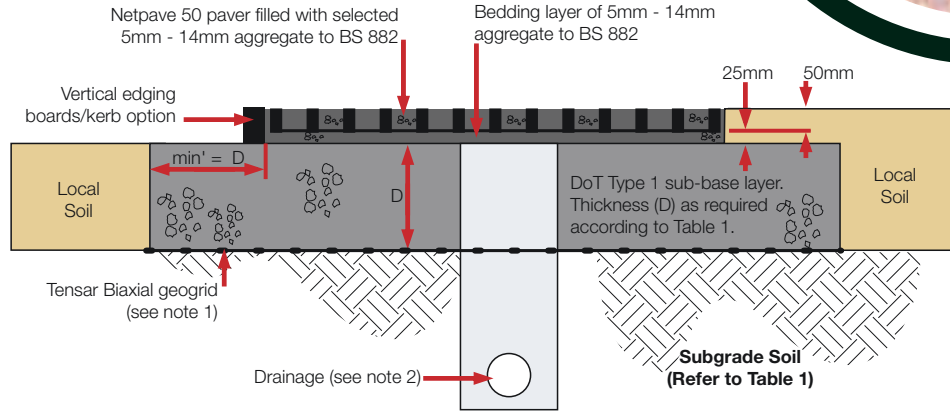


Table 1: Typical Sub-base (D) Thickness Requirements

Application/Load	CBR (%) strength of subgrade	DoT sub-base thickness (D) (mm)	Tensar Geogrid
Fire truck and occasional HGV access	> 6	125	SS20
	4 - 6	175	SS20
	2 - 4	275	SS30
	1 - 2	475	SS30
Light vehicle access and overspill car parking	> 6	100	SS20
	4 - 6	150	SS20
	2 - 4	225	SS30
	1 - 2	350	SS30

Paver type	Netpave 50	
Specifications	Material	100% recycled polyethylene
	Paver unit size	500mm x 500mm x 50mm
	Nominal cell size	63mm x 63mm (internal)
	Weight	9kg/m ²
	Load bearing capacity	150 tonne/m ²
	Flexure	Individual pavers capable of articulating about central axes.
	Connection type	'T' lugs and slots.
	Colour	Black
	Markers	White mouldings are available to identify areas such as parking bays and routes. These square inserts clip into the top of paver cells.
	Chemical resistance	Excellent
	UV resistance	High
Bedding layer	5 -14mm aggregate to BS 882	20mm - 25mm thick bedding layer
Paver fill	5 -14mm aggregate to BS 882	To top of cells
Sub-base type	DoT Type 1	'D' thickness in mm- see Table 1
Base reinforcement	Tensar SS20 or SS30 biaxial geogrid	see Note 1

continued overleaf

Netpave® 50

The logo for Netlon, featuring the word "NETLON" in white, bold, uppercase letters on a red, slightly curved rectangular background.

TURF SYSTEMS

The product name "Netpave[®] 50" is written vertically in large, white, bold, sans-serif font. The "50" is significantly larger than the "Netpave" part. The background shows a close-up of the interlocking paver units, which are grey with a textured surface and a central well for gravel.

Installation

1. Place the paver units (with dimpled face uppermost) onto the prepared sub-base + bedding layer. The leading edge of the pavers should have the fixing lugs exposed for quick easy installation. No pegging is required. Edging boards or kerbs can be used if required.
2. Connect the pavers using the lugs and slots, progressing over the area in rows. Use protective gloves to avoid abrasions.
3. Pavers can be cut, using a hand or power saw, to fit around obstructions and contours. Pieces, which are less than half the original size, should not be used.
4. Fill the pavers to the top of the cells with the specified gravel. Use a light vibrating plate to consolidate the gravel into the cells. Top up cells with gravel as necessary.
5. If the area is to be used as horse paddock, cover the area with a 50-100mm thick layer of fine sand.
6. The surface may be trafficked immediately.

Note 1: If Tensar geogrid is omitted, then the total Sub-base layer thickness must be increased by 50%.

Note 2: Typical drainage details; 100mm diameter perforated pipe drain laid at minimum gradient 1:100, bedded on gravel in trench backfilled with DoT Type A drainage stone, covered with a geotextile fabric and leading to a suitable outfall or soakaway. Drains placed down centre or one edge of access routes up to 5m wide. Wider areas may require additional drains at 5m - 10m centres. Drainage design by specifier based on specific ground conditions on site. Advice is available from Netlon Turf Systems.

Note 3: Specific advice on construction over ground with a CBR less than 1% is available from Netlon Turf Systems.

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