

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

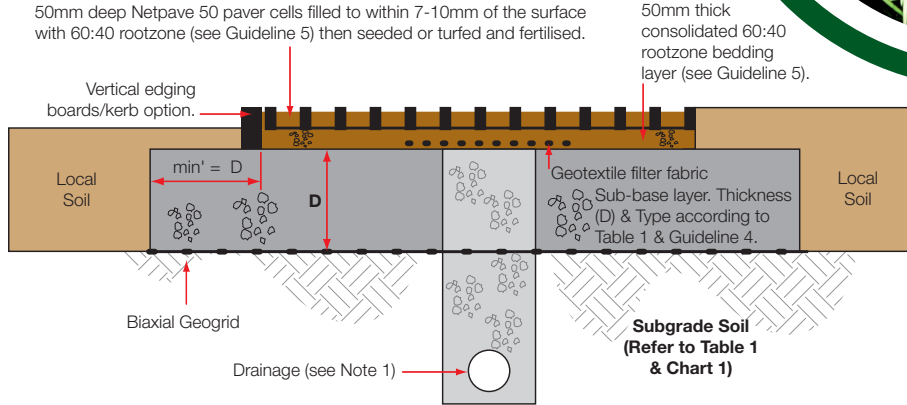


Table 1: Typical Sub-base Thickness (D) Requirements

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

| Paver type | Netpave 50 | |
|------------------------|--|--|
| Specifications | Material | 100% recycled polyethylene |
| | Paver unit size | 500mm x 500mm x 50mm (4 per m ² , pre-connected) |
| | Weight | 6.5kg/m ² |
| | Load bearing capacity | 300 tonne/m ² (crush resistance) |
| | Flexure | Flexible throughout the complete structure. |
| | Connection type | Double interlocking system: 'T' lugs and slots + male - female connectors. |
| | Colour | Black |
| | Markers | White mouldings are available to identify areas such as parking bays and routes. These inserts clip into the top of paver cells. |
| | Chemical resistance | Excellent |
| | UV resistance | High |
| Bedding layer | 60:40 rootzone (see Guideline 5) | 50mm - 70mm thick layer |
| Paver fill (seed bed) | 60:40 rootzone (see Guideline 5) | 40mm thick layer |
| Grass seed/Turf | 35g/m ² amenity blend low maintenance seed or turf as required. | |
| Fertiliser | Pre-seeding fertiliser followed up with appropriate spring or autumn fertiliser. (advice available from Netlon Turf Systems) | |
| Sub-base type | DoT Type 1 or a Porous Sub-base | 'D' thickness in mm (Table 1 & Guideline 4) |
| Sub-base reinforcement | Biaxial Geogrid | see Note 1 & Table 1 |

continued overleaf

Netpave® 50



TURF SYSTEMS



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The logo for NETLON, featuring the word "NETLON" in white capital letters on a red rectangular background.

TURF SYSTEMS

A large vertical image showing the Netpave 50 product. It consists of a black plastic grid with circular openings, filled with light-colored gravel. Green grass is growing through the openings. The text "Netpave® 50" is written vertically in large white letters over the image.

Netpave® 50

Installation Guidelines

1. Place paver units with dimpled face uppermost (flared base down) onto the prepared, well consolidated bedding layer. The leading edge of the pavers should have the fixing lugs exposed for quick and easy installation. No pegging is required. Edging boards or kerbs can be used where required, according to local soil conditions.
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. Cut pieces which are less than half the original size should be avoided where possible.
4. Fill pavers with the specified proprietary rootzone. Finished levels should be 7-10mm below the top of the cells after settlement. Do not overfill the paver cells. A light vibrating plate can be used to consolidate the pavers and to settle the rootzone infill if required
5. Rootzone must be a free-draining structurally sound sand:compost or sand:soil blend. This is a nominal proprietary blend of 60:40 or 70:30 ratio. Self blending is not recommended.
6. 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.**
7. The surface may be trafficked immediately, but it is preferable to allow the grass to fully establish prior to use.

Note 1: 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 or wrapped 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.

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