

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



Netpave 50 paver cells filled to within 7-10mm of the surface with 60:40 rootzone (sand:soil blend) then seeded or turfed and fertilised.

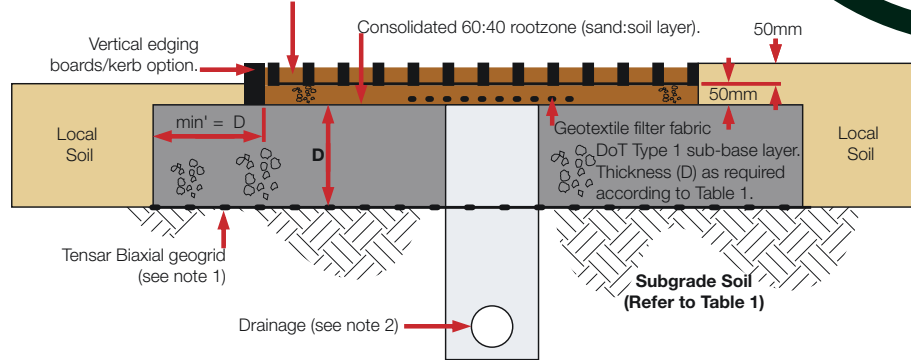


Table 1: Typical Sub-base Thickness (D) Requirements

| 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 | 60:40 rootzone (sand:soil blend) | 50mm - 70mm thick layer |
| Paver fill (seed bed) | 60:40 rootzone (sand:soil blend) | 40mm thick layer |
| Grass seed/Turf | 35g/m ² amenity blend low maintenance seed or turf as required. | |
| Fertiliser | Pre-seeding fertiliser mix followed up with appropriate spring or autumn fertiliser. (advice available form Netlon Turf Systems)] | |
| Sub-base type | DoT Type 1 | 'D' thickness in mm- see Table 1 |
| Sub-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 capital letters on a red rectangular background.

TURF SYSTEMS

The product name "Netpave[®] 50" is written vertically in large, white, 3D-style font over a background image of the pavers and grass.

Installation

1. Place paver units (with dimpled face uppermost) onto the prepared, well consolidated base. 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.
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 pavers with the specified sand:soil 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. 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.
6. The surface may be trafficked immediately, but it is preferable to allow the grass to fully establish prior to use.

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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