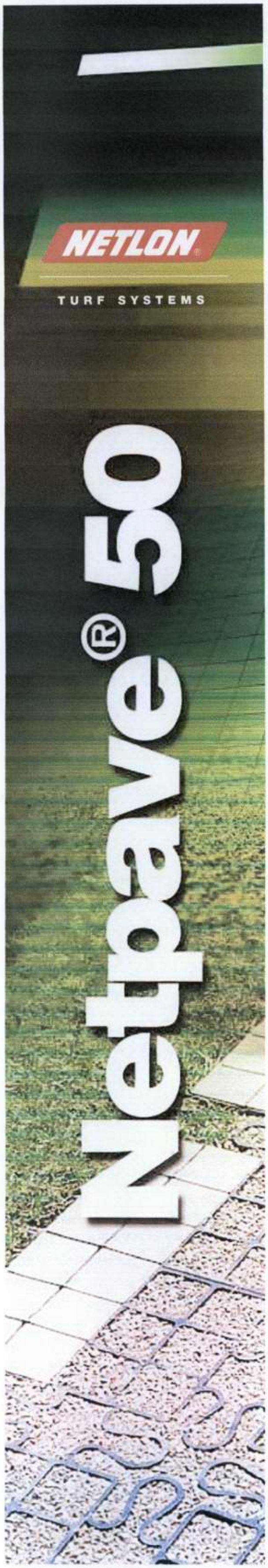


Netpave® 50 Grass Paving System
design and installation guidance for

Grassed Surfaces

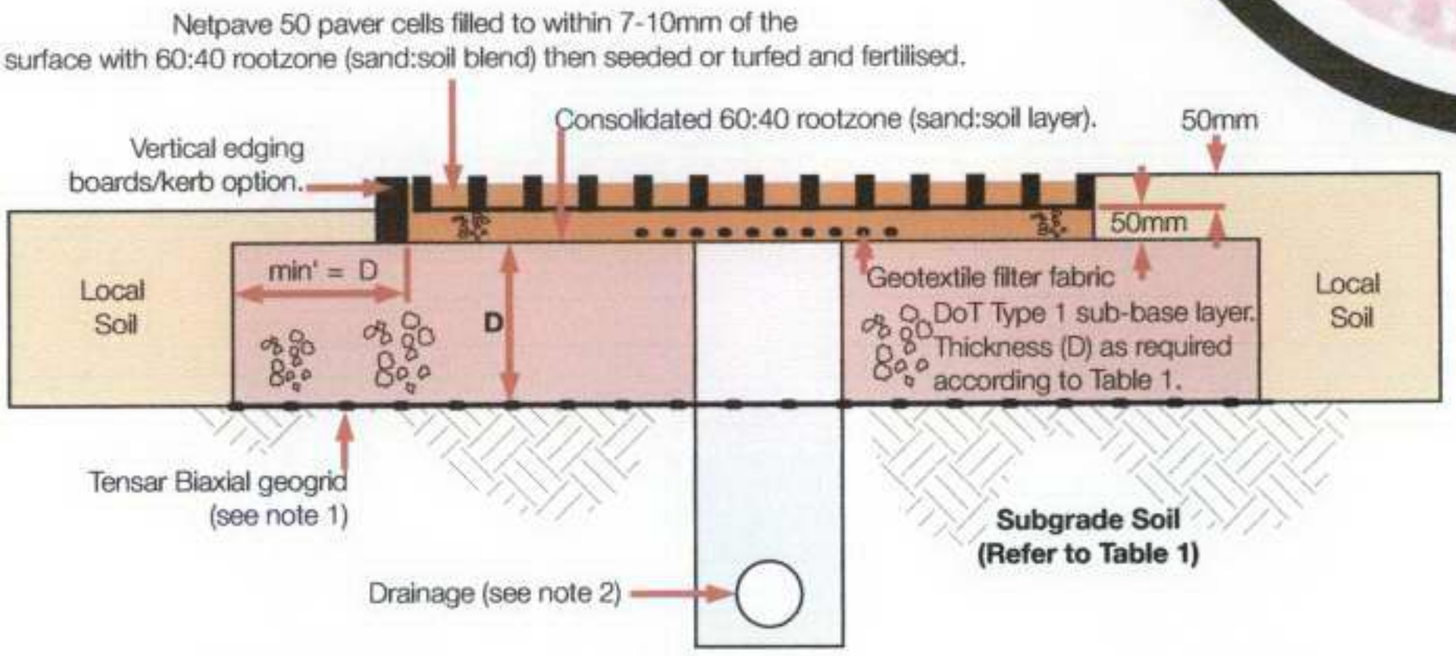


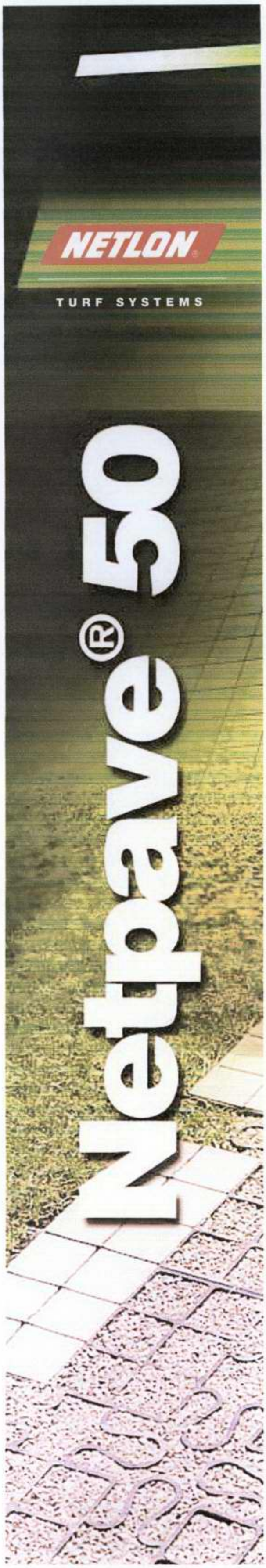
Table 1: Typical Sub-base Thickness (D) Requirements

Application/Load	CBR (%) strength of subgrade	DoT sub-base thickness (D) (mm)	Tensar Geogrid
Fire truck and occasional HGV access	> 6 4 - 6 2 - 4 1 - 2	125 175 275 475	SS20 SS20 SS30 SS30
Light vehicle access and overspill car parking	> 6 4 - 6 2 - 4 1 - 2	100 150 225 350	SS20 SS20 SS30 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/m²
	Load bearing capacity	150 tonne/m²
	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/m² amenity blend low maintenence 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 reinforcementment	Tensar SS20 or SS30 biaxial geogrid	see Note 1

continued overleaf

NETLON TURF SYSTEMS
New Wellington Street, Blackburn BB2 4PJ, UK.
Telephone: +44 (0)1254 266833 Fax: +44 (0)1254 266868 E-mail: turf@netlon.co.uk



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.