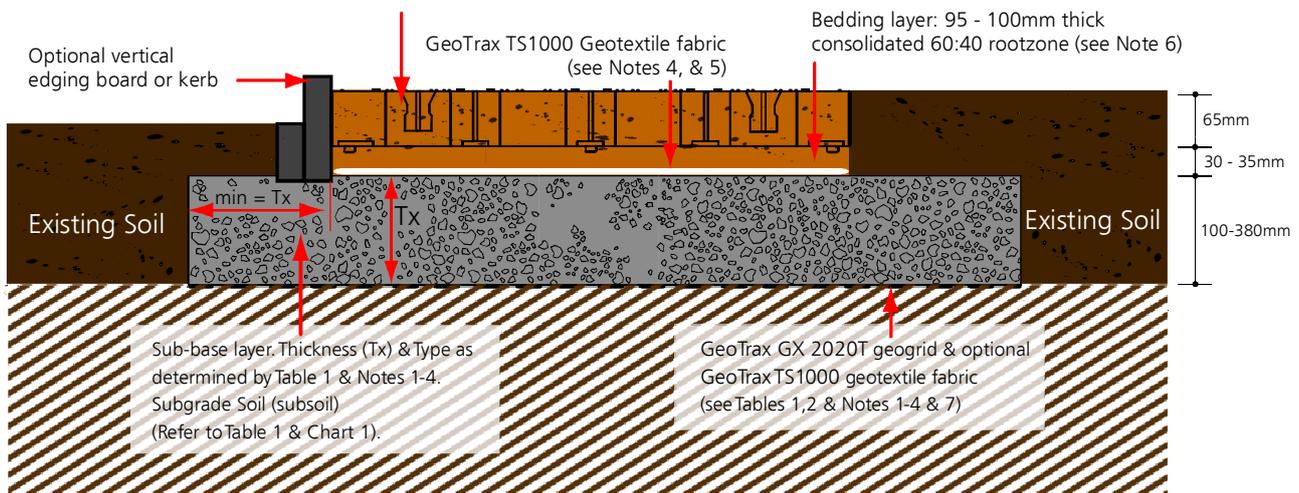




CellPave™ 65 cells filled with angular aggregate in range 5mm - 20mm (BS EN 13242)



INSTALLATION METHOD

1. Install edge retention as specified: Either tanalised timber boards, concrete, steel or plastic kerbs as appropriate.
2. Ensure that the gravel/aggregate bedding layer is the correct & uniform thickness, is level & well consolidated.
3. Place the paver units with the connecting slots in the direction of laying firmly onto the surface, ensuring the base of the paver cells sit flat on the bedding layer surface. Connect adjacent pavers together by slotting the edge cell connectors down into the edge slots and progress over the area in rows. Pavers are locked in place by snap-fit connectors. If paver separation is required, clips can be dislocated using careful, firm hand or screwdriver pressure or by gently twisting the paver joints. Use protective gloves to avoid abrasions.
4. Pavers can be cut to fit around obstructions & curves using a hand or power saw. The use of cut-pieces which do not have integral snap-fit connectors should be avoided wherever possible.
5. Fill pavers with specified angular decorative gravel/aggregate to finished levels. A light whacker plate may be used to consolidate the pavers and settle the fill. Top up the cells as required after settlement. It is preferable not to overfill the cells. The use of 'rounded pea gravel' is not recommended.
6. If the area is to be used for horses, it may be preferable to cover the surface with 50 – 100mm of a fine sand or bark mulch.
7. The surface may be trafficked immediately.

INSTALLATION NOTES

NOTE 1: If GeoTrax GX 2020T geogrid is omitted, the total Granular Sub-Base (GSB) layer thickness (Tx) must be increased by minimum 50%.

NOTE 2: A 'DoT Type 1' sub-base may be used provided that an adequate drainage system is installed. Alternatively, a permeable/open-graded (reduced fines) sub-base layer (i.e Type 3) may be specified, e.g. as part of a Sustainable Urban Drainage System (SUDS).

NOTE 3: If construction traffic axle loads will be greater than 60kN (approx' 6 Tonnes), minimum sub-base thickness over GeoTrax GX 2020T geogrid shall be 150mm. Maximum sub-base particle size should match minimum sub-base thickness but not exceed 75mm diameter. For sub-base thicknesses of around 100mm, a minimum 37.5mm particle size should be adopted to allow effective installation of GeoTrax GX 2020T geogrid.

NOTE 4: Where drains are omitted and a 'reduced fines' sub-base is specified for SUDS this must be covered with either a geotextile fabric (i.e. GeoTrax TS1000) and/or a clean, suitably graded gravel blinding to avoid the bedding layer leaching into the sub-base.

NOTE 5: Drainage for a Sustainable Urban Drainage System (SUDS) application will vary according to the site but generally omits the requirement for extensive pipe & trench drainage systems within the sub-base layer and may require an additional layer of GeoTraxTS1000 geotextile fabric at base of construction.

NOTE 6: Rootzone bedding and paver fill must be a free-draining, structurally sound propriety blend of sand:soil or sand:compost such as used in sports/golf construction & normally identified as a 60:40 or 70:30 ratio blend. The use of site-won materials or in-situ self-blending is NOT recommended without taking further advice.

NOTE 7: Maximum advised gradient for traffic applications: 12% (1:8) 7°. CellPave™ 65 has specific pegging points if required for steep slope applications. Pegging is not necessary for standard access route applications.

Table 1: Sub-Base Guidance

The following table is for general guidance only. Please contact us for scheme specific advice.

APPLICATION/LOAD	CBR % OF SUBGRADE	SUB-BASE THICKNESS	GEOTEXTILE (A)	GEOGRID (B)
LIGHT DUTY (CARS) CBR 8%	OVER 6 %	150 mm	TS1000	
	4 - 6 %	200 mm	TS1000	
	2 - 4 %	230 mm	TS1000	GX20/20
	1 - 2 %	350 mm	TS1000	GX20/20
	BELOW 1 %	CONTACT US		
MEDIUM DUTY (7.5T) CBR 10%	OVER 6 %	150 mm	TS1000	
	4 - 6 %	200 mm	TS1000	GX20/20
	2 - 4 %	300 mm	TS1000	GX30/30
	1 - 2 %	430 mm	TS1000	GX30/30
	BELOW 1 %	CONTACT US		
HEAVY DUTY (HGV) CBR 15%	OVER 6 %	230 mm	TS1000	GX20/20
	4 - 6 %	310 mm	TS1000	GX30/30
	2 - 4 %	470 mm	TS1000	GX30/30
	1 - 2 %	CONTACT US		
	BELOW 1%	CONTACT US		

This field guide is provided as an aid to assessing the mechanical stabilisation requirements in commonly encountered site conditions. Groundtrax Systems Ltd accepts no responsibility for any loss or damage resulting from the use of this guide.

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