



South Africa's first locally manufactured permeable paving grid!



Gravel Surfaces Installation Guide

Excavate ground to shape and level to achieve sufficient gradient and load bearing.

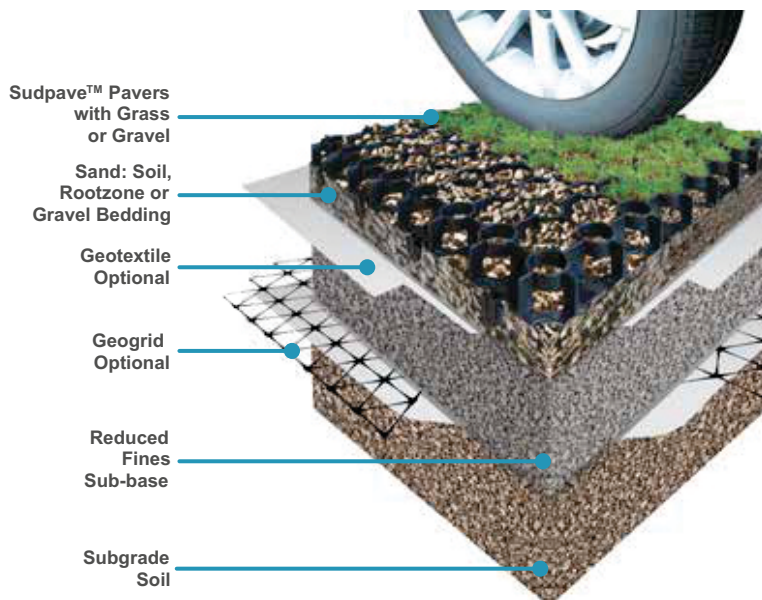
Depending on the sub-soil conditions and projected traffic loadings, a geotextile and/or geogrid may be laid on the excavated surface. Cohesive soils may require subsoil drainage.

Place and compact a suitable base course material to sufficient depth to take projected loadings, (refer to guide in Table 1), ensuring that the area is shaped to sufficient gradients to prevent ponding.

A geotextile can be laid on top of the base course as a separation layer between this and the gravel bedding layer to prevent migration of the particles. This is essential when using a permeable, reduced fines base course but optional when using a road type base course.

Install edging restraints. These can be concrete road kerbs or timber or metal strips depending on requirements or specifications.

Place 50 mm bedding layer, of clean, angular sand over the base course layer, compact and screed to level.



Lay **Sudpave™** panels on the bedding layer working from left to right with the connecting lugs on the panel leading. Avoid standing directly on the prepared surface - stand on the **Sudpave™** panels and ensure they interlock together correctly.

Panels can be offset by cell increments or cut to shape using simple hand tools to fit around obstructions and curves. The use of cut-pieces which do not have the correct unique, interlocking system should be avoided wherever possible. **Sudpave™** also has integral stabilising spikes for steep slopes or heavy turning areas.

Fill the panels with angular gravel to finished levels. 3 - 6 mm aggregate size is recommended as initial infill & plate compacted. Larger gravel up to 19 mm can be used to complete the fill for desired finish.

Use a plate compactor to consolidate the filling material into the pavers. Fill any voids that show due to this process with more of the specified aggregate until satisfied with the final compaction finish and leave filled material just covering the **Sudpave™** panels.

The surface maybe trafficked immediately.

Table 1

TRAFFIC TYPE	TYPICAL BASE COURSE THICKNESS
Pedestrian/Bicycles	50 - 100 mm
Light Vehicles	75- 150 mm
Heavy Vehicles	>150 mm

The base course design will need to be designed to the projected loadings, traffic volume and soil conditions and other contributing factors that correspond directly with the project.



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