



South Africa's first locally manufactured permeable paving grid!



Domestic Lay Installation Guide

Grassed Surfaces

Existing Lawn Option:

Cut the grass very short and top dress with a river sand to ensure a level surface. Lay the **Sudpave™** and fill with a top soil and river sand mix. Allow the grass to grow through the grid. It is advisable not to overfill the grid. Normal grass maintenance is all that is required.

Install edging restraints (and irrigation if required) these can be concrete, road kerbs or timber or metal strips -depending on requirements.

New Installation:

Remove any vegetation to a depth of 100 mm. Ensure that the prepared surface is adequately shaped and formed to the desired levels, and gradients. Plate compact the surface to give a firm stable base. At this point, a geotextile can be laid in order to assist with stability.

Filling material must be a free draining, structurally sound blend of sand/soil or sand/compost. A minimum 70 mm layer of soil mix comprising 40%, top soil/compost and 60% river sand is then laid in order to create a healthy root zone. Compact lightly and screed to a level finish.

Fill the **Sudpave™** with the same root zone soil mixture to level with the top of the grids. Use a plate compactor to work the soil into the **Sudpave™**. Fill any voids that show due to this process with more root zone mix and **leave filling slightly below the top of the grid to allow grass growth.**

Carry out a normal seeding, fertilizing and watering program. A light top dressing may be applied to cover the seed and to provide adequate germination conditions. Hydro-seeding is a good option.

When using rolled turf, or instant lawn. This can be laid directly on top of the unfilled **Sudpave™** grid, and plate compacted into the grid. Top dress and water the soil through the grass so that this washes into, and fills the grid. **Do not over fill.**

It is preferable to allow the grass to establish before being trafficked - particularly when seeded but, for critical/emergency access, it can be used immediately.



Gravel Surfaces

Remove any vegetation to a depth of 100 mm. Ensure that the prepared surface is adequately shaped and formed to the desired levels, and gradients. Plate compact the surface to give a firm stable base.

At this point, a geotextile can be laid in order to assist with stability and stop migration of the gravel into the prepared surface. It will also act as a weed barrier.

A bedding layer of 3-6 mm clean angular gravel to be spread and leveled to a minimum compacted depth of 50 mm. Alternatively a free draining coarse sand bedding can be used.

Fill the **Sudpave™** grids with angular gravel. For best results, a gravel aggregate size of 3-6 mm is recommended. Should a larger gravel aggregate be required, it is advisable to first use smaller gravel and half fill and compact. This creates a more stable base into which the larger gravel can key and bond.

Use a plate compactor to consolidate the filling material into the pavers. Fill any voids that show due to this process, until satisfied with the final compaction finish. Allow the gravel to cover the **Sudpave™** completely.

A well compacted, angular gravel, will limit gravel migration. Occasional raking might be required in order to maintain a neat driveway.

The surface can be trafficked immediately.

General

Please ensure that ground conditions are suitably firm, and free draining. Cohesive soils may require sub-soil drainage.

Lay the **Sudpave™** panels on the bedding layer, making sure that the 'T' shape opening for the clip is the leading edge. Avoid standing directly on the prepared surface - rather stand on the **Sudpave™** panels. Ensure the panels clip together correctly, using a light hammer and a piece of wooden dowel.

Panels can be offset by cell increments or cut to shape using simple hand tools to fit around obstructions and curves. The use of off-cut pieces, without the unique interlocking system should be avoided wherever possible.

Sudpave™ also has integral stabilizing spikes for steep slopes or heavy turning areas.



a collaboration with:



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