



Vehicle Grade Installation Guidelines



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1 EXCAVATION and PREPARATION

Excavate to form sub grade at a depth suitable for your pavement.

Remove topsoil until you reach hard sub-base (clay or similar). The minimum recommended depth of basecourse is 125mm. For a driveway to carry SUV's and occasional trucks add 50% (65mm) to the depth of the base-course. If required for handling water, and the sub-grade is impermeable, contour the sub-grade so water will drain to a filter fabric wrapped drainage coil. Excavate trenches and runoff areas for drainage coil, or connect it with the storm water drainage. Lay SureTex geotextile on the sub-grade.

2 LAY THE BASE COURSE

Lay AP40 basecourse on top of the geotextile and compact with a plate compactor to a compacted depth of 125mm, or more if required.

3 INSTALL THE EDGING

Edging is required around your paved area. This protects the edge of the Natural Paving pavers, retains the pebbles on the paver, and makes a suitable edge to mow. Any material can be used for edging or place the pavers against walls or existing paved areas.

4 BEDDING LAYER

Lay a 35 to 40mm layer of bedding material on the compacted base course (AP7 or bedding sand). Screed the bedding material to contour the surface close to the finished shape and compact it.

5 LAY THE NATURAL PAVING MATS

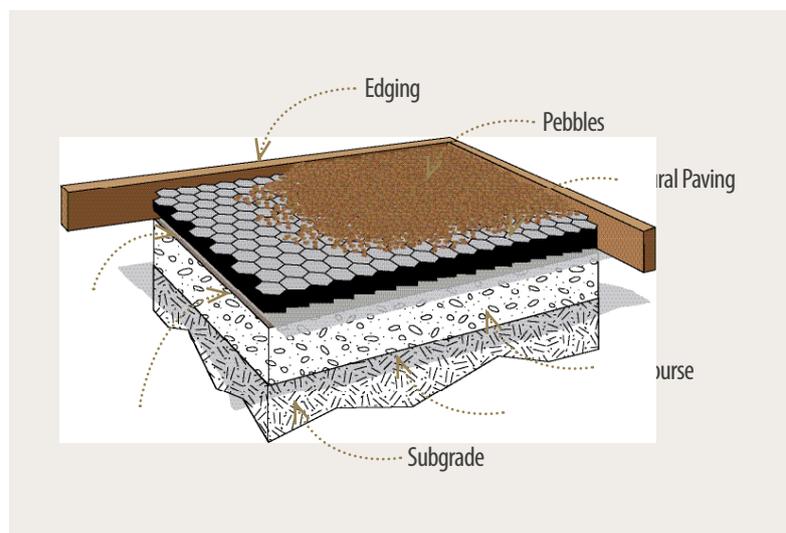
Natural Paving pavers are large and easy to lay. They have geotextile welded to the base to hold the pebbles and prevent weeds growing through. At two edges of the sheet there is an overlap area in the paver. There is no clipping together required. The pavers can be cut with a hand saw, circular saw, cut off disc etc. You can easily free form the pavers to follow complex shapes.

6 SPREAD THE PEBBLES

Pour your pebbles or gravel onto the pavers and spread with a rake or the like. The pebbles will settle into the pavers over time. Fill the pavers 20mm deeper than the paver surface and this will settle to a thickness of about 10 to 15mm over the top of the pavers. This hides the pavers protecting, them from the sun.

7 MAINTENANCE

If the pebbles settle, add sufficient pebbles to hide the Natural Paving pavers by 10 to 15mm.



Things to consider before starting your Natural Paving job

To create a long lasting paving area, consider the following factors:

What level of traffic will the path carry? More, higher and heavier traffic requires making the base course thicker.

If the sub-grade is soft or clay, and the pavement is for cars: use a SureTex geotextile on the subgrade to stop mud mixing with the base-course.

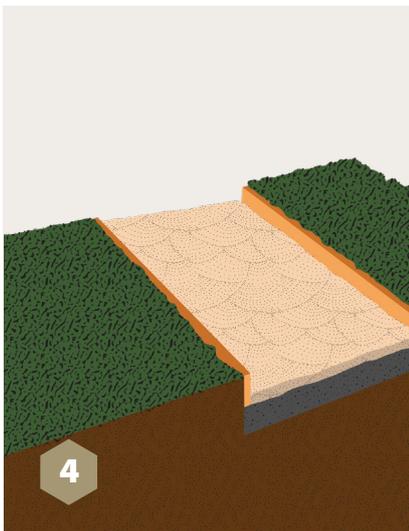
If the area is boggy, the base course should be thicker and the sub grade should have a SureTex geotextile to stop soft wet sub-grade soil, or clay, mixing with the base course. It may also be an advantage for the finished level of the path to be higher than boggy ground.

Soft spots in the sub-grade need more excavation.

Natural Paving is permeable. Water from rain and irrigation will soak straight through. Water needs to soak away from under the pavement. This can use the natural fall of the land or the inherent permeability of the sub-grade. If excavation is into clay, this will need to be designed so as not to hold water, make an exit for the water. If the area is flat, slope the sub-grade to a shallow trench along one side of the paved area and lay a drainage coil wrapped in filter geotextile in this trench (on top of the SureTex). Connect the outlet of the drainage coil into a storm-water drain, or a soakage trench away from under the pavement.

If the area beside your paving is to be mowed, plan your edging to protect the pebbles from the blade.

If the paved area is for trucks or buses, obtain a pavement design from a proficient pavement design professional.



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