

SurePave Installation Guide

Gravel surfaces



- FILL SURE PAVE [STEP 9]
- SUREPAVE [STEP 7]
- SAND [STEP 6]
- GEOTEXTILE - OPTIONAL [STEP 4]
- BASE COURSE [STEP 3]
- GEOTEXTILE/GEOGRID - OPTIONAL [STEP 2]
- NATURAL GROUND [STEP 1]

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

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 that SurePave is to be used in.

- 1 Excavate ground to shape and levels to achieve sufficient gradient and load bearing etc.
- 2 Depending on the soil type and projected traffic loadings, a geotextile (Duraforce AS 240) and/or a geogrid (Secugrid 20-20) may be laid on the excavated surface.
- 3 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.
- 4 A geotextile (Duraforce AS 240) can be laid on top of the base course as a separation layer between this and the sandy bedding layer to prevent migration of the particles. This is essential when using a permeable reduced fines base course but optional when using a roading type base course.
- 5 Install edging restraints and irrigation (if required). For edging restraints, SureLine AluEdge Paver restraint systems are designed to work with the SurePave.
- 6 Place a 25mm bedding layer of clean, sharp sand over the base course layer and screed to level.
- 7 Lay SurePave panels on the bedding layer working from left to right with the connecting lugs (male joiners) on the panels leading. Avoid standing directly on the prepared surface – stand on the SurePave panels and ensure they interlock together correctly.
- 8 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. SurePave also has allocation for pinning to the ground if necessary. I.e. On steep slopes or heavy turning areas.
- 9 Fill the panels with specified angular roading aggregate or decorative gravel to finished levels (7mm – 19mm aggregate size is recommended).
- 10 Use a plate compactor to consolidate the filling material into the pavers. Fill any voids that show due to this process with more specified aggregate until satisfied with final compaction finish and leave filling material just covering the SurePave panels.
- 11 The surface may be trafficked immediately.

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