Permeable Paver Installation

Zeo-Lock, LLC

Excavation and Site Prep

Note: Non-woven geotextile is always recommended and is placed on the compacted soil sub-grade under the open- graded base.

Apply non-woven geotextile to the bottom and sides of the excavated area. Start laying geotextile at the top end of the drainage slope following down with overlapping joints of 24". Install all drain pipes, observation wells, and overflow pipes in the base, depending on their location.

Base Construction

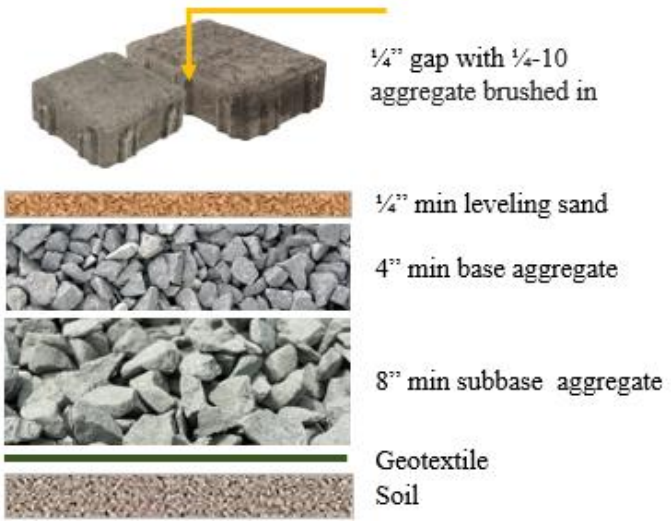
Place, grade, and compact a minimum of 8" of 3/4"-0 open aggregate for the subbase.

After the subbase is compacted, apply 4" of 5/8"-0 open aggregate for the base material. Compact the subbase layer with no visible movement in the sub-base material when compaction.

Leveling Sand or Pea Gravel

Screed 1-1½" of sand or ¼"-10 open and washed aggregate as a leveling layer. Do not compact this layer!

Installation Recommendations



For increased durability and/or heavy vehicular traffic, in order to help hold your edge restraint, place a bi- or tri-axial geogrid on top of the base layer before the leveling layer.

Lay the Paving Stones

Lay the paving stones on the leveling layer in the patterns the manufacturer recommends. Maintain straight pattern lines; use string lines if necessary. Cut pavers with a double-bladed splitter or masonry saw to fill gaps at the edges of the paved area. Compact and seat the pavers into the leveling material by using a low amplitude (75-90 Hz) plate compactor capable of at least 5000 lbs. centrifugal compaction force.

Sweep in Joint Materials

Sweep ¼-10 into the openings, vibrating and compacting the pavers again until the material is ½" from the top surface. This will require two or three passes with the compactor. Remove excess aggregate by sweeping the pavers clean.

Finalize the Project

The final surface elevations should not deviate more than ± 3/8" over the length of a 10' straightedge. The final surface elevations should be ⅛"–¼" above adjacent drainage inlets, concrete collars or channels.

www.zeo-lock.com
info@zeo-lock.com