

Five Essential Steps – Concrete Paver Installation

1. Excavate & Compact Base Material

Excavate to the proper design depth (see typical section below). Remove all surplus unsuitable sub-base material. Compact the area that has been cleared, then backfill the area with a Class II 3/4" minus road base material. The depth of the base should be 3-4 inches for pedestrian walkways and patios, 6-8 inches for light vehicular traffic and 10-12 inches for heavy vehicular traffic or otherwise as directed by the Site Engineer, Architect or Landscape Architect. The road base material should be compacted to 95% density.

2. Screed Sand Bed

Spread concrete sand evenly over the road base and screed to a uniform depth of 1 to 1 1/2 inches up to the edge. (Edge restraints can be of various types, e.g. concrete, wood, plastic pavement edging, etc.) The screeded sand should not be disturbed until the pavers are laid.



3. Install Concrete Pavers

Install the concrete pavers hand tight in the desired pattern 1/4 to 3/8 inches above final grade. Care should be taken to select the desired color distribution, keeping in mind that even solid colors have some variation in color and texture. The pavers are made with integrated ribs to create a minimum joint spacing necessary for sand to enter. Use a paver splitter or a diamond blade masonry saw.

4. Sand the Joints

Once the pavers are installed, sweep a fine dry sand over the pavers and into the joints. Vibrate the pavers into the sand bed with vibratory plate compactor. This piece of equipment should be capable of 3,000 to 5,000 lbs. centrifugal compaction force and operate at a frequency of 80 to 90 hertz. To help prevent the vibratory plate from scarring the pavers, we recommend using an impact pad on the vibratory plate designed for paver installation. You can also use thin plywood, carpet or cardboard, etc.



5. Sweep Sand

Sweep off excess sand and wash down completed project. The paver surface is now ready for use.

