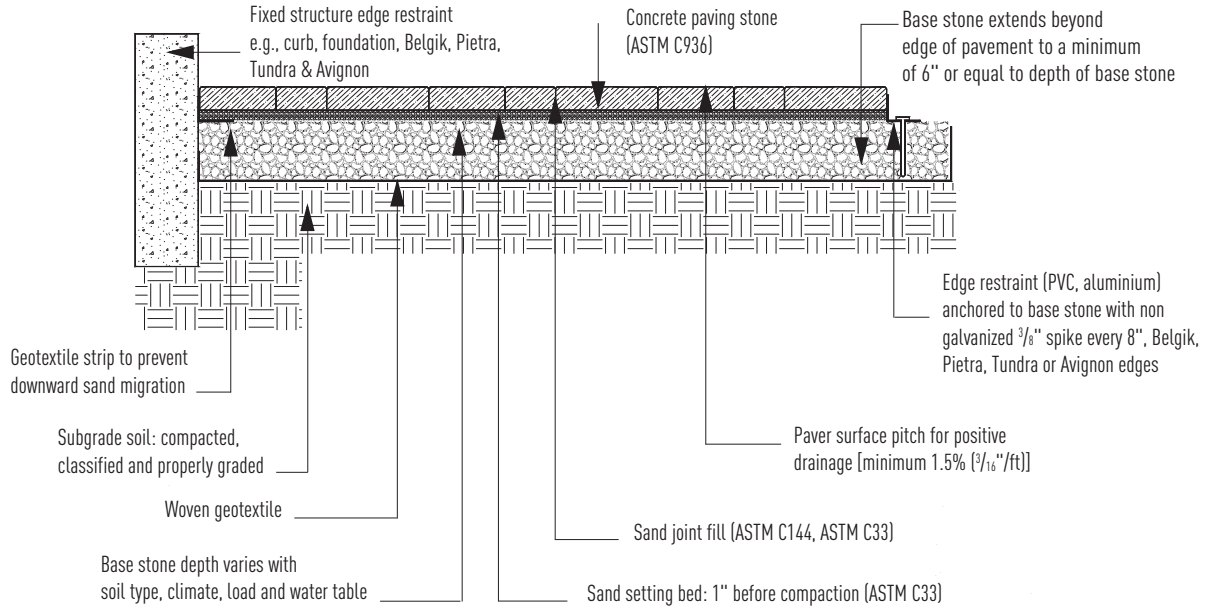


Installation guide for pavers



INSTALLATION OF PAVERS

01 EXCAVATION

- A. Before excavating, you need to call all the local utility companies (e.g., phone, gas, electrical) to ensure that the area in which you plan to dig is clear of underground cables or wires. If any are found, please notify the appropriate companies before you begin.
- B. When excavating, it is important to achieve a slope in increments of 1.5% ($\frac{3}{16}$ " or 5 mm) per foot, which will allow for proper drainage. The excavation should mirror the final grade of pavement.
- C. The width of your base behind your edge should be equivalent to the thickness of the base.
- D. With the help of a rake, grade the bottom of your excavated area. If the natural soil is granular or sandy, we recommend that you compact the soil with a vibrating plate. If the soil is clay-like, change the soil with a blend of lime and crushed stone prior to compaction. Next, cover it with a layer of geotextile fabric to prevent the contamination of your base (clay and 0- $\frac{3}{4}$ " crushed stone).

NOTE:

STABILIZING SAND

Approximate surface coverage per 50 lb. (22.7 kg) bag. Available in graphite grey and sandy beige.

| Pavers | sq. ft. | sq. m |
|--------------------------|---------|-------|
| Antika, Permea, Villagio | 21 | 2 |
| Allegro | 38 | 3.5 |
| Athena | 42 | 4 |
| Blu 60 mm | 90.2 | 8.37 |
| Blu 80 mm | 76.5 | 7.11 |
| Elena, Hera, Trias | 64 | 6 |
| Flagstone | 66 | 6.13 |
| Inca | 108.3 | 10.06 |
| Mista Random | 50.4 | 4.69 |
| Mista Square | 65.6 | 6.10 |
| Olympia | 55 | 5 |
| Villagio | 23 | 2.1 |

02 FOUNDATION

- A. Install your 0-3/4" crushed stone base, in 4" lifts with a (minimum 5000 CF vibrating plate) compactor.
- B. To facilitate compacting, wet your base material thoroughly and compact with a vibrating plate proceeding in all directions. This process should give you the desired height. At this stage, you can verify your final height with the help of a paver.
- C. Base tolerance $\pm 3/8"$ (10 mm) for every 10" increment.

03 THE SETTING BED

- A. On your compacted crushed base, install two pipes (outside diameter of 2.5 cm (1"). Grade the concrete sand with the help of a straight edge (or Quick-E leveler). If the base is not properly graded and smooth, imperfections will be evident in the finishing grade of the pavement.
- B. Bedding sand should not be compacted until all paving stones have been laid down. Passing the vibrating plate over your paving stones causes them to settle approximately 10 mm (3/8") into your bedding sand.

04 INSTALLATION OF PAVING STONES

- A. Once the choice of paving stones and the design has been finalized, it is recommended that you start installing your pavers at a 90-degree angle. This is realized by proceeding as follows: measure a first line (3"), and a second line (4") perpendicular to the first. You then connect a third straight line (5") which will form a triangle, and the result will be a perfect 90-degree angle. While installing your paving stones, walk on the installed pavers, and fill in gaps caused by the pipes with concrete sand.
- B. It is always recommended that you use more than two cubes at a time in order to maximize your color blends. Furthermore, you should proceed with the cubes from top to bottom.
- C. You may use a chalk line to mark the stones to be cut along the borders, after which you can then cut using a guillotine or a concrete saw. When cutting paving stones, we recommend that you wear protective ear and eye wear.
- D. Once you finish installing your paving stones, you can then install Tundra, Avignon, Belgik or Pietra curbstone on the granular base. To keep curbs in place, add mortar along the back to form a 90° angle between the ground and the curbstone or using their plastic retention systems. In a vehicular traffic application, the concrete must be reinforced using steel rods.

05 FILLING IN JOINTS

- A. Spread out the polymer stabilizer sand on the paving stones, and sweep in between joints in all directions.
- B. Pass vibrating plate in all directions to allow sand to penetrate between the joints. Sweep once more and remove excess sand. Follow the instructions exactly as indicated.



VIBRATING PLATE ALERT!

Avoid scuffs on paver surfaces: Pavers with embossed surfaces (high and low points) are more susceptible to scuff marks from plate compactors. Techo-bloc recommends the use of urethane mats between the plate and the paver surface when compacting.

Techo-Bloc will not be held responsible for compaction scuffs or burns on pavers.