

Paver Installation Guide

For paving stones and sidewalk slabs.



For more detailed information visit our website at cci-industries.com and refer to the How To Sheet "Building a 10 ft x 10 ft patio."

Step 1: Measure the perimeter of the area to be paved to determine the project size in square feet. Determine the paver product to be used and multiply the project area by the pavers specifications (coverage) to determine the amount of product needed. Do the same to find the amount of base aggregate, sand and CCI Gator Edging.

Step 2: Before beginning excavating, make sure there are no utility lines within the area to be paved. Excavate area to a minimum depth of 6 in. (150 mm). This allows for 2.5 in. (64 mm) of base rock, 1 in. (25 mm) of sand and 2.5 in. (64 mm) for paver product. If traffic heavier than foot traffic (driveway), more depth will be needed for additional base rock.

Step 3: Ensure the excavated area has a slight slope or pitch to allow for proper drainage. Layout the lines and corners with string line and stakes. Compact subbase with compactor.

Step 4: Spread aggregate base uniformly throughout the excavated area and 8 in. (200 mm) beyond perimeter lines. Base aggregate material should be crushed stone sized 3/4 in. and less (19 mm), typically referred to a road crush.

Step 5: Compact the base aggregate evenly throughout the area. The compacted base should be relatively level and having the same slope as the finished project. The grade of the base aggregate should be 3.5 in. (89 mm) below the finished paving stone surface, to allow for the sand and paver product.

Step 6: Spread 1 in. (25 mm) of screened sand evenly over the compacted base. Level the bedding sand to a smooth surface by dragging a screed board (kiln dried 2x4) across the sand. For areas wider than the width of the screed board, use 1.5 in. (38 mm) conduit pipe as screed guides at 4 ft. (1.2 m) spacing. Do not disturb sand bed after it has been screeded.

Step 7: Install CCI Gator Edge restraints as required. Pavers butting against curbs or foundations will not need an edge restraint. Pressure treated lumber or other materials may be used as an edging restraint, should your landscape plans call for it.

Step 8: Begin placing stones on the screed sand bed in the desired pattern. Place the paving stones with a hand tight joint (for Tuscan pavers install with bevel side down for improved water management). Work from the paving stone side of the installation as they are set. To achieve the best mixture of colours and blends, remove pavers from delivered bundles section by section, not layer by layer and work from several bundles at a time.

Step 9: When all the pavers are placed, sweep surface clean. Spread CCI Polymeric Sand over the entire surface and broom sweep to fill all the joints. Leaving excess sand on the paving stone surface, tamp the paving stones into the setting bed with the mechanical plate compactor. Continue sweeping and compacting until all the cracks are full and tight.

Step 10: Broom sweep more sand to fill any open joints.

Note: Do not use compactor on slabs, sidewalk blocks and NSS product.



| Project Calculator | | | Base Aggregate Calculation | | |
|---------------------------------------------------|---|-----------------------------|----------------------------|--------------------|--------------------------------------------------------------|
| Pieces per sq ft. | x | Project size in sq ft. | = | # of pieces needed | |
| Example: Type 1 Tuscan 4.7 pcs/ft ² | | 10 x 10 patio 100 sq ft. | | 470 pieces needed | |
| | | | Project size | x 0.25 | ÷ 27 = _____cu. yds. base material (3/4 in. or less in size) |
| | | | Project size | x 0.085 | ÷ 27 = _____cu. yds. screeded sand |

| CCI Paver Specification Chart | | | | | | | |
|-------------------------------|-------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------|
| Size | CCI Century Dutchstone and CCI Century Tuscan | | | | CCI Century Europastone | | |
| | Type 1 | Type 2 | Type 3 | Type 4 | Type 1 | Type 2 | Type 3 |
| Dimensions | 7.9 in. x 3.9 in. (198 mm x 101 mm) | 7.9 in. x 7.9 in. (198 mm x 198 mm) | 7.9 in. x 12 in. (198 mm x 298 mm) | 12 in. x 12 in. (298 mm x 298 mm) | 7 5/8 in. x 3 in. (194 mm x 76 mm) | 7 5/8 in. x 5 1/2 in. (194 mm x 140 mm) | 7 5/8 in. x 8 1/2 in. (194 mm x 215 mm) |
| Thickness | 2 3/8 in. (60 mm) | | | | 2 3/8 in. (60 mm) | | |
| Coverage | 4.7 pcs/ft ² (51.5 pcs/m ²) | 2.35 pcs/ft ² (25 pcs/m ²) | 1.5 pcs/ft ² (16.2 pcs/m ²) | 1 pcs/ft ² (11.26 pcs/m ²) | 6.25 pcs/ft ² (67.8 pcs/m ²) | 3.43 pcs/ft ² (37 pcs/m ²) | 2.2 pcs/ft ² (23.97 pcs/m ²) |
| Weight | 5.5 lbs (2.45 kg) | 11 lbs (4.9 kg) | 18 lbs (8.1 kg) | 27 lbs (12.27 kg) | 4.4 lbs (2 kg) | 8.1 lbs (3.6 kg) | 12.1 lbs (5.5 kg) |
| Pallet Count | 504 | 324 | 200 | 128 | 588 | 336 | 210 |
| Pallet Weight | 2,850 lbs (1,293 kg) | 3,614 lbs (1,643 kg) | 3,690 lbs (1,677 kg) | 3,506 lbs (1,594 kg) | 2,710 lbs (1,229 kg) | 2,785 lbs (1,266 kg) | 2,735 lbs (1,243 kg) |
| Pallet Coverage | 107.2 ft ² (9.8 m ²) | 138 ft ² (12.7 m ²) | 133.3 ft ² (12.3 m ²) | 128 ft ² (11.9 m ²) | 94.1 ft ² (8.6 m ²) | 98 ft ² (9.1 m ²) | 58 ft ² (5.4 m ²) |

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