

Driveway Paver Material & Base Calculator

Plan your heavy-traffic foundation from excavation to final joint sand.

Building a durable, rut-free parking surface starts from the ground up. Use this guide to confidently track your site measurements and determine your exact base depth!

● Structural Driveway Specifications

80mm

vehicle paver thickness for heavy traffic

1 inch

coarse concrete bedding sand thickness

45°

herringbone lock to resist tire torque

1/8-in

sand recess protects from tire friction

2 in

gravel compaction lifts for maximum density

8 ft

length per inch of drainage drop

3-4

pallets to blend paver colors from



Prevent Surface Scratches

Blow all fine dust completely off the surface and attach a protective polyurethane compactor pad before your final tamp to keep the blocks pristine.

● Base Depth Calculator

Find your row: Your existing soil type

Your existing soil type	Your pick	Why
Standard stable soil	8-inch gravel base	Transfers heavy vehicle weight evenly
Heavy clay soil	12-inch gravel base	Compensates for moisture and shifting

● Material Planning Checks

- ☐ Measure driveway length and width to calculate total square footage.
- ☐ Evaluate existing soil beneath the parking area to determine excavation depth.
- ☐ Verify your drainage pitch drops safely away from the garage foundation.
- ☐ Check that your delivered sand is coarse concrete, not fine masonry.
- ☐ Rent a professional wet saw with a diamond blade for border cuts.

● Heavy-Traffic Installation Sequence

- 1 Compact the Base** Install and lock crushed stone in individual lifts using a heavy vibratory plate compactor.
- 2 Screed the Bedding** Lay parallel steel pipes and drag a straight aluminum board to level the sand perfectly.
- 3 Lay a Soldier Course** Install a straight border row along the edges before laying the main diagonal field.
- 4 Secure Edge Restraints** Stake hidden plastic borders along the perimeter before final compaction to hold the matrix tightly.
- 5 Activate Jointing Sand** Sweep polymeric sand, blow to a slight recess, vibrate deeply, and mist lightly to activate.

● Project Notes & Measurements

Enjoy the satisfaction of pulling onto a beautifully built, rock-solid driveway every day!