GREENDRIVEWAY

A GREEN ALTERNATIVE FOR PAVING & LANDSCAPING

BASIC INSTALLATION FOR GD Gravel 60-40 (Commercial Grade)

Spec Info: GD Gravel 60-40 - Honeycomb Gravel Stabilizer Panels

Panels area ± 47" x ± 39" x 1 3/5" (1.15 m x 1.0 m x 40 mm) (MEDIUM) (JUMBO panels also available = 2X medium panel) heavy duty black injection-molded polypropylene panel having a factory applied geotextile fabric fused to the bottom and are capable of supporting wheelchairs and occasional light truck traffic. Compressive strength is tested under ASTM D 1621-04a and is 1016 kg/0.0175 m^2. Loading capacity is > 300 tons/m^2, > 380 psi, when filled with gravel over the specified base.

GD Gravel Infill Materials:

Notes:

A. For a permeable system, fill cells with clean, angular or round stones, gravel or decorative stones. Option to fill with road crush and top dress with decorative gravel of your choice.

B. Infill gravel sizes ranges between 1/8" to 1/2”, but the ideal size is 3/8”, and can be either clear or pre-washed of all fines before delivering to the site. No gravel less than 1/8" nor more than 1/2" is recommended. (see grid spec sheet)

D. Install infill gravel by back-dumping into the cells from buckets mounted on rubber-tired tractors. Avoid sharp turns of the tractor, driving only on gravel-filled cells. Spread gravel laterally from the pile using power brooms, blades, flat bottomed shovels and/or wide asphalt rakes to fill the cells. Depending on the size of the project, you can compact the gravel with a vibrating plate compactor. If using pea gravel, no plate compaction is necessary.

GD Gravel 60-40 Installation:

1. Excavate area allowing for sub base, unit thickness, and top layer. Leave 50 mm (2.0 inches) for GD Gravel® 60-40 (40 mm) and top layer (10 mm) to meet final grade.

2. Excavate and shape foundation soils to grades, elevations, and dimensions as necessary for your site, or as per drawings. Be sure water will flow away from any structures.

3. If site requires a structural base, fill with ¾" road crush as necessary. A typically homeowner driveway will require a minimum of 2" of road crush, but site specific conditions may call for a deeper subbase. Maximum base layer: 6" (i.e. parking lot).

4. Compact your base layer with a vibratory plate, compactor, or roller.

5. Place the panels. Position the panels on the prepared subgrade with geotextile face down. Cut to shape with skill saw with fine-toothed blade (in reverse position). Use protective gloves to avoid abrasions. Top of cell panels should be 1 cm (10 mm) below adjacent hard surfaced pavements or final grade.

6. All hard surfaces abutting areas to receive Gravel Surfacing shall be in place prior to commencing work. Finished gravel work should be no more than 1/2" below adjacent hard surfaces.

7. Place first row of panels against a stationary edge if possible. The panels have interlocking connectors. You can install panels 'side by side' or in a 'herring bone" pattern; either method works. No anchors are needed for gravel stabilizer panels installed on slopes less than 20 degrees.

8. Fill cells with chosen infill. Maximum particle size of granular infill material should not exceed½". Minimum particle size can be 1/8" to allow porosity. Cell walls must be sufficiently covered with infill to prevent any equipment or load bearing vehicular traffic from damaging the grid.

9. Install edge restraint if desired. Standard metal, plastic, concrete edge restraints or concrete curbing may be used.

10. You can: Water stones thoroughly for an immediate finished look!

GD Gravel Post-Placement:

A. Reserve a few 5 g. buckets of infill stones on site to top dress as necessary over the next year. Once the area is fully packed, top dressing is no longer necessary.

B. Snow plowing – Use shovels or blades with plastic blades. If using a metal blade, set blade 2" above gravel surface, leaving a layer of snow. This system is free draining during freeze/thaw events.

C. Use of salt for de-icing is allowed.