



CONCRETE GRID PAVEMENT

Inspection & Maintenance Guidelines

Post-Construction Inspection

When the concrete grid pavement (Turfstone) is complete, the owner or its representative should confirm that the newly built concrete grid pavement was installed in general conformance with the construction documents. Confirmation that the proper materials and surface void infill were installed by site observations and photographs is recommended to ensure the long-term performance of the grid pavement system.

Grid Paver Post-Construction Inspection Checklist

- The grid pavers utilized are the type, thickness and dimensions specified per the construction details.
- The grid paver openings and joints are filled with the specified infill material per the construction details.
- The joints between individual grid pavers shall not exceed 3/16-inch.
- The paving surface contains no deformations (depressions/settlement) exceeding ½-inch and final surface grade elevations shall not deviate more than +/- 3/8-inch over a 10 ft straightedge.
- Grid paver unit height offsets (lippage) are no more than 1/8-inch above or below adjacent units
- Cracked or broken grid pavers (if existing) that could impair the structural integrity of the pavement have been removed and replaced. Hairline cracks are not considered structurally critical.
- The required edge restraint system is installed per the construction details.
- The installed surface slope is in compliance with the construction documents.
- Straw or equivalent covering is in place to protect germinating grass seed.
- Irrigation is initiated in accordance with site specific water requirements.

- Traffic is restricted for 30 days post installation to protect germinating grass seed.

Grid Paver Final Inspection & Closeout

Final inspection six months after construction is recommended to verify general conformance to the construction documents and for final acceptance after straw or protective covering has been removed and 70% grass cover has been achieved.

Recommended Post-Construction Operation & Maintenance

Concrete grid with grass will require maintenance as ordinarily required for lawns including mowing, watering, removal of weeds and occasional fertilizing or reseeding.

The following recommendations should be modified for site-specific and local climatic conditions [Source: ASCE Permeable Pavements, Chapter 5: Grid Pavements]

- Biweekly inspections for the first growing season or until healthy vegetation is established.
- Routine watering during warm weather, additional watering may be required if an automatic sprinkler system is not utilized.
- Mow grass when height exceeds 3 inches.
- Fertilize as needed in the spring and fall.
- Inspect surface annually for soil/grass/aggregate erosion, scour and unwanted growth and re-seed bare soils as needed.

Winter Maintenance:

Snow can be plowed from grid pavement if the plow blade is set at least 2-inches above the pavement surface. De-icing salts should never be used on grass.