

# PREMIER GEO GRID

## Materials and Installation Guidelines

### SPECS:

Grids are interlocking

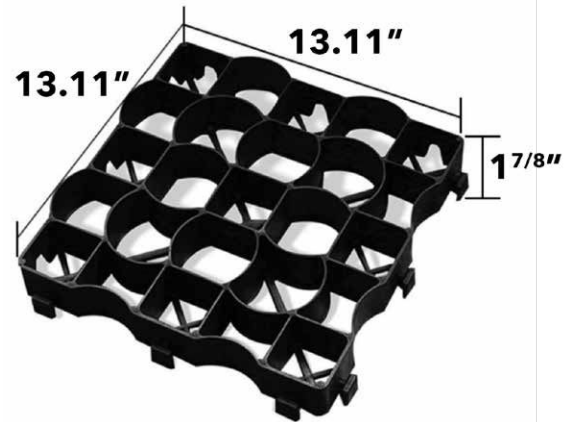
Each grid is 13.11" W x 13.11" L x 1<sup>7/8</sup>" H, weighs 1.4 lbs, and covers 1.19 sq ft

Pallet layers come in 9 interlocking grids. Each layer is 39.33" W x 39.33" L x 1<sup>7/8</sup>" H - 12.6 lbs. Area coverage 10.7 sq ft or 1 sq m

Load Capacity/Pressure Strength: More than 250 tons per 10.7 sq ft with fill

Temperature Tolerance: -40 to 240 degree Fahrenheit

Made from high quality HDPE



Applications will require different installation, for example, light vs heavy loading. The grids will withstand 25 tons of pressure per sq ft when set on an appropriate base and filled. See reverse side for details.

### APPLICATIONS:

- ✓ Horse paddocks, corrals, runs and pastures, lunging areas and round pens
- ✓ Dog kennels and canine runs
- ✓ Pedestrian trails, bike trails, cart paths
- ✓ Patios and party venues
- ✓ Gravel or grass driveways, fire lanes and service roads
- ✓ Parking for cars, trailers, and RVs
- ✓ Base support for sheds, hot tubs
- ✓ Erosion control, hillside stabilization, mud control
- ✓ Aviation parking and runways
- ✓ And so much more!

## MATERIALS:

**Drainage Layer-** Porous road base as required for heavy traffic areas. Thickness will vary depending on loading requirements, loading frequencies, and subsoil conditions.

**Fill Layer-** To determine the amount of fill material needed, calculate 95% of the area multiplied by the height of the grid ( $1\frac{7}{8}$ " ).

- **For grass areas and pastures:** Sandy loam topsoil (60/40 mix) or topsoil typical of locality as approved by architect.
- **For paddocks, turnouts, round pens or driveways:**  $\frac{3}{8}$ " –  $\frac{1}{4}$ " crushed stone or washed pea gravel.

**NOTE:** Stone must be filled into the cavity of the Geo Grid.

Do not use sand as fill inside the grid.

### Top Layer-

- **For grass areas and pastures:** 2–3" of top soil or sod.
- **For paddocks, turnouts, or round pens:** 3–4" Masonry sand, concrete sand or other type of suitable top layer sand.
- **For parking lots/driveways:**  $\frac{3}{4}$ " –  $\frac{1}{2}$ " clean stone.

### Geo Grid

- **Box:** 27 grids, covers 32.20 sq ft
- **Pallets:** 405 grids per pallet, covers 484.38 sq ft



## INSTALLATION PROCEDURES

1. Excavate site allowing for thickness of all materials.
2. Grade native soil to 1 to 1.5% and compact.
3. If required, install porous road base material and compact to standards determined by site engineer.
4. Install sand bedding layer on top of subsoil or road base if used. Compact and level sand bedding layer. (Optional with aggregate fill.)
5. Install Geo Grid over bedding layer. Assemble grid across and down, interlocking the joints. Use a hand saw or reciprocating saw to cut grid for partial pieces or to fit around objects in path i.e., trees, curbs, lane markers, etc.

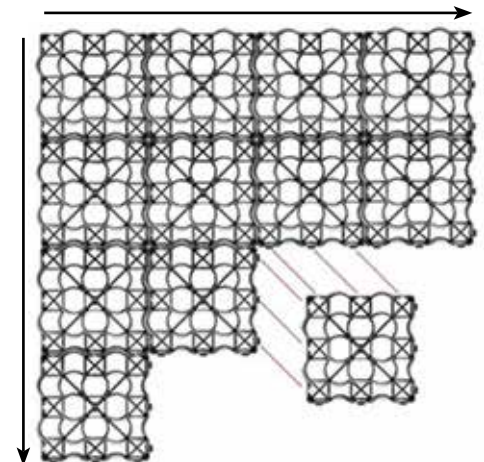
Be sure to leave a 1-2" expansion gap between outside grids and kickboards, borders, or posts.

6. **If seeding,** fill the grid with the topsoil mixture level with the top of the grid (do not overfill) and water thoroughly. Reapply topsoil as needed to fill low spots in grid to maintain the required level. Apply grass seed evenly to grid area.

If using sod, fill cells with top soil to appropriate depth allowing for thickness of sod to be used, i.e., for  $\frac{1}{2}$ " sod thickness leave  $\frac{1}{2}$ " of cell unfilled. Roll or place mats of sod in place, saturate with water and press sod into place with turf roller. Top dress low areas with sand if needed. With aggregate, fill to top of cell and compact with vibratory plate.

7. Maintain installation with normal turf maintenance (irrigate, fertilize, and mow). If used in snow plow areas, set blade height at 2" above surface.

### ASSEMBLE ACROSS AND DOWN



Contact Premier Equestrian with any questions at

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