

Typical Commercial Site Grass Infill Installation Guide

This Guide offers step-by-step instructions for quick, hassle-free installation of TRUEGRID® PRO PLUS Permeable Paving. If you have any questions about your installation, please contact a TRUEGRID Installation Specialist at 855-355-GRID (855-355-4743)

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BEFORE YOU BEGIN: MATERIALS & EQUIPMENT

Materials Checklist

- ___ TRUEGRID Pro Plus Pavers
- ___ Base Course: ¾" Minus, Graded Road Base, with Limited Fines (3-8% passing #200)
 - Do NOT use material from recycled concrete or recycled asphalt.
 - A mixture of #57 stone (⅔ by volume) and sand or topsoil (⅓) may be substituted when road base is not available.
- ___ Topsoil Infill or Other Specified Growing Media
- ___ Sod or Seed/Hydroseed
- ___ Irrigation supplies, connecting tools, and irrigation flags, if specified.

Equipment Checklist

- ___ Excavation Equipment
- ___ Compaction Equipment – Rolling Compactor or Vibrating Plate Compactor For Smaller Jobs
- ___ Circular Saw or Reciprocating Saw (if needed for trimming edges)
- ___ Spreading Equipment – Skid Steer, Hand Rakes, Brooms, etc.
- ___ Water Source and Hose
- ___ Sod Roller
- ___ Sod Laying Machine or Hydroseeding Sprayer Unit for Large Jobs

BEFORE YOU BEGIN: SITE PREP

1. Excavate to depth as specified on approved site plans, if no site plans are provided please refer to TRUEGRID Drawing, TG-GRS-HL-FL, and excavate a minimum of 10 inches.
 - Proof Roll Subgrade
 - Make sure you have proper total depth, including base depth plus your TRUEGRID depth.
 - It is important to ensure the site is excavated such that the TRUEGRID product is flush or slightly recessed below the surrounding grade
2. Install any under drain system if specified on approved site plan. Sloping subgrade will also allow for sheetflow in needed direction.



Excavate to depth of base and PRO PLUS.



Compact subgrade with rolling compactor or other equipment.



Install under drain system, if specified.

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INSTALLATION STEPS

1. Install geotextile fabric per manufacturer's specification... adds stabilization to subgrade & separation from base aggregate.

Note: Subgrade must be relatively dry with no standing water prior to TRUEGRID® paver installation.



Place Geotextile fabric and pin overlaps.

2. Install base material per approved site plans.
 - TRUEGRID recommends to install the base material in maximum 4" lifts.
 - After each lift it is recommended to use the compaction equipment.



Place and compact base material. Compact in 4" Lifts.

3. Complete base material installation with final pass of compaction equipment.
 - It is important that the base material is level enough so that the TRUEGRID is fully supported.



Level base with string or laser level, and check final depth.

4. Trench (slightly larger than line width) and run irrigation lines and connect irrigation heads, if specified.
 - Most irrigation heads can be set on the perimeter of the TRUEGRID grass area, especially for smaller areas.
 - If heads are contained inside the TRUEGRID area, recess the top of the irrigation head 1/2" - 3/4" below the final TRUEGRID grade (about 1 - 1 1/4" inch above final base material).
 - Refill, level and lightly compact base in trenched irrigation line areas. Remove excess base.



Place TRUEGRID PRO PLUS and connect. Cut as needed.

5. Install TRUEGRID PRO PLUS.
 - Start in corner of site with male tabs on grid facing out. Line up grid and connect next grid section. TRUEGRID will typically go down at around 1000 SF per labor/hr.
 - Fit irrigation head, if applicable, through open TRUEGRID void or by cutting the smallest portions of the grid possible. Flag irrigation heads.
 - Install TRUEGRID SuperSpots if specified on approved site plans.



Place SuperSpots, SnowSpots™, and Plates™ prior to filling TRUEGRID.

6. Grass fill options for PRO PLUS – See specification: Choose either sodding or seeding/hydroseeding.
 - A fully loaded truck can drive on the empty TRUEGRID PRO PLUS to speed up the topsoil material installation. This ability saves a lot of installation time.
 - **Option A, Sodding:**
 - Fill topsoil about halfway (~1") into the TRUEGRID PRO PLUS.
 - Place sod onto TRUEGRID PRO PLUS CELLS. Use a commercial sod laying machine for large jobs.
 - Cut and remove (or avoid placing) small area of sod over flagged irrigation heads.
 - Wet and saturate sod.
 - Compress 1-inch sod into 1/2-filled PRO PLUS. Final surface should have only grass blades above the cells. Ensure sod roots make contact with topsoil infill.



Fill TRUEGRID, about halfway (~1"), with topsoil.

Use rolling, plate, or hand compactor to compress sod into cells.

- **Option B, Seeding/Hydroseeding:**
 - Fill topsoil level to the top of the TRUEGRID
 - Remove or clear small area of soil over flagged irrigation heads.
 - Options: Choose either seeding or hydroseeding
 - Seed: Spread grass seed at rate recommended by producer.
 - Apply a cellulose mulch, recommended.
 - Hydroseed: Spread mix per volume recommended by manufacturer.



Fill TRUEGRID with topsoil.

Level topsoil to top of grid.

Hydroseed (shown) or seed with cellulose mulch.

- Final surface should only have grass blades above the TRUEGRID cells - no topsoil should be above cells.
7. Water generously several times per day for grass germination and root development.