

Futerra® TRMs

General Installation for Slopes and Channels Used for Futerra 7003, 7010, 7020 and R45 Series

These suggestions represent generally accepted procedures for successful installation of Futerra TRMs. These instructions may be followed, modified, or rejected by the owner, engineer, contractor or their representative since they, not Profile are responsible for planning and executing procedures appropriate to a specific application.

Futerra TRM is packaged in rolls that are easy to ship, store and install. No heavy equipment is needed for installation of matting: a roll can be handled by one or two workers.

- 1. Site Preparation:** Whether slope or channel, the site must be shaped to the design specifications (grade, geometry, density of soil, etc.) and then dressed to be free of soil clods, clumps, rocks, or vehicle imprints of any significant size that would prevent the Futerra TRM from lying flush to surface contours.
- 2. Anchor Trench:** Anchor trenches are required to securely fasten the Futerra TRM to the ground surface. In channel applications, the initial anchor trench is installed at the beginning of the channel and intermediate check slots are spaced at approximately 25 feet* intervals downstream depending on flow conditions and whether you soil fill or not. Futerra TRM is installed into the bottom of the trench and fastened with pins spaced 3 feet apart. The anchor trench / intermediate check slots are then backfilled and compacted in a manner as to not damage the Futerra TRM.

* In lieu of excavated check slots, a double row of pins [or a number 1 or 2 rebar pinned across the mat] may be used at 25-foot intervals.

- 3. Futerra TRM Installation:** Roll the Futerra TRM down the slope or channel. The overlap between rolls is 3 to 4 inches. The splice between rolls is between 2 and 3 feet. Shingle the roll in the direction of water flow. Install pins down the center of each mat (mat is 3.25 feet wide) staggering them between the outside pins with a spacing interval of 3 to 5 feet. Pins patterns will vary depending upon application, soil type, slope or channel slope, geometry, etc. A rule of thumb for estimating the amount of pins required for a project is:

1:1 to 2:1 slopes
3-4 pins per sq. yd.

3:1 and lesser slopes 2-
3 pins per sq. yd.



