



Shea Homes Project Demonstration



Challenge:

The California Construction Site Permit mandates that bare soil, if left idle for more than 14 days from Oct – April, must be stabilized with an erosion control system. With the inability of Mulch and Tack Systems to provide full-seasonal control protection and the fact that Straw and Tack Applications are not suited for windy areas, Shea Homes turned to Terra Novo Inc for a demonstration of its EarthGuard Fiber Matrix winterization system.

Results:

In Oct 2001, Gallion Erosion prepared a 2:1 slope for two plots. On one plot, they applied EarthGuard Fiber Matrix 24 hours prior to the trial. The next plot was left unprotected. Each plot was approximately 6000 sq ft.

The next day, Gallion Erosion used their hydroseeder to simulate a rain event. Over 900 gallons was applied evenly to both plots within a ½ hour period. Shea Homes representatives not only witnessed a dramatic reduction in erosion, but they were impressed by the clean water leaving the EarthGuard protected slope.

Since 2001, Shea Homes has sprayed over 1000 acres of slopes and pads utilizing EarthGuard Fiber Matrix.





Highly **Effective.** Cost **Efficient.**

Terra Novo Manufactures

Erosion Control:

- EarthGuard®
- EarthGuard Fiber Matrix
- EarthGuard **EDGE™**

Reclamation:

- EarthGuard **FUSION™**
- EarthGuard **ORGANIX™**
- EarthGuard **ELIXIR™**

Agricultural Soil Stabilization and Conditioning

- SoilMAX
- Agriflo

Dust Suppression

- DustCap
- DustControl DG

Water Clarification

- AquaGuard

How EarthGuard Works:

EarthGuard Fiber Matrix is a patented technology, which combines EarthGuard and fiber to form a matrix that provides extended erosion control protection in severe situations. This effective and cost-efficient hydraulically applied formulation has set a new standard for sprayed-on erosion control BMP's.



EarthGuard utilizes an extremely high molecular weight blend of chemistry, which results in its superior charge density and soil stabilizing ability. It is designed to work directly with soil to maintain its stability by both preserving existing soil structure and flocculating fine sediment being dislodged by stormwater or wind. EarthGuard is ideal for site-winterization (seed not required), where bare soil, slopes and stockpiles must be protected during the raining season. In re-



vegetation and dormant applications, the superior soil stabilizing ability of EarthGuard holds, seeds, soil, fiber and amendments in place until sufficient long-term growth/erosion control protection has occurred.

EarthGuard is available in two forms. In a bale form, EarthGuard is packaged in combination with 100% wood fiber or, in liquid form, EarthGuard is packaged in a 5 gallon container whereby it can be applied by itself with water or added to standard hydromulch prior to installation.

Terra Novo is dedicated to helping the storm water and erosion control industries comply with strict Federal Clean Water Regulations. Our engineers and chemists maintain a hands-on approach to solving site-specific problems by providing cost-effective best management practice solutions. All of our products are easy to use, highly effective, extremely affordable and environmentally friendly.



For technical services or to locate your nearest EarthGuard® dealer:

call 1-888-843-1029.

Visit Terra Novo online at:

earthguard.com

Terra Novo is located at:

2930 Patton Way, Bakersfield, CA 93308



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