

# EarthGuard® Fiber Matrix Erosion Control

**EarthGuard®** is a soil stabilizing emulsion specifically formulated to reduce erosion and sediment runoff. It is non-toxic, 100% biodegradable, and conforms to the State of California Department of Transportation Standard Specifications Section 07-382 E A05-30-06 for "Polymer Stabilized Fiber Matrix (PSFM)." **EarthGuard® FM** is a one-step spray application, combining **EarthGuard®** and wood/cellulose fiber. It is applied as an aqueous slurry by itself or in combination with seed. **EarthGuard® FM** is chemically engineered to be effective at low rates while absorbing the impact of raindrops, and providing immediate dust control, erosion control, and soil stabilization until permanent vegetation is established or construction has resumed. **EarthGuard® FM's** versatility allows it to be highly effective in many applications: erosion control, slope stabilization, dust abatement, landscape design, storm water runoff, fire burn rehabilitation, land development, and golf course construction.

## APPLICATION RATES AND METHODS

**EarthGuard® FM** application rates depend upon field conditions and desired benefits. The following charts can be used as general rate guidelines for seasonal erosion control (loamy soils that are balanced in organic matter and nutrients). Slope should be "track-walked" with flow interruptors every 25 feet.

### FULL SEASONAL CONTROL

#### Maximum rainfall of 19" or less over a 4-5 month period

<b>1</b>	Slope	6:1	5:1	4:1	3:1	2:1	1.5:1	1:1
	Gals/Acre	4	5	6	7	8	9	10
	(lbs) Mulch/Acre	1,500	1,500	1,500	1,800	2,000	2,500	3,000

#### Rainfall greater than 19" over a 4-5 month period

<b>2</b>	Slope	≤5:1	4:1	≥3:1
	Gals/Acre	6	8	10
	(lbs) Mulch/Acre	2,000	2,500	3,000

### LONG TERM EROSION CONTROL OF PERMANENT SLOPES INCLUDING SEED

During the fall and winter months, follow the above charts for **EarthGuard®** and mulch rates. Add seed mixes as recommended to achieve long-term erosion control. This can be applied via a one-step hydroseeding process. However, some may prefer a two-step application (hydroseed and fertilizer first, and then **EarthGuard®** and mulch over the top). Consider increasing mulch rates to a minimum of 2,000 lbs. per acre when seeding.

If slopes are ready for permanent landscape (plants, trees, etc.), use the **EarthGuard®** rates from the above charts without adding mulch. Apply the mixture to all exposed soil after planting is completed. This will provide temporary erosion control while the plants establish their root mass.

**FOR PARTIAL SEASON OR EXTENDED PROTECTION, CONTACT TERRA NOVO FOR RECOMMENDATIONS**



For technical services or to locate your nearest **EarthGuard®** dealer, call 1-888-843-1029.  
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