



Terra Novo

888. 843. 1029

www.earthguard.com



www.earthguard.com

EarthGuard Fiber Matrix was chosen to treat 10 acres of slopes in Lake James, North Carolina.

Catawba River Dam Refurbishment Project

In Lake James, North Carolina, the beautiful Catawba River cuts through the lush forests of Western North Carolina. Duke Energy and their general contractor, Phillips & Jordan Inc. of Greensboro, NC were working the Catawba River Dam Project. There were 10 acres along the Eastern Dam where they had graded slopes and areas that needed erosion

stabilization. Prior erosion control products used did not provide the protection needed and plant establishment desired. Erosion control contractor, Seal Brothers of Mount Airy NC suggested using EarthGuard Fiber Matrix. Brian Seal of Seal Bros. applied EarthGuard Fiber Matrix at the rate of 8 gallons of EarthGuard mixed with 2000 lbs.

of fiber mulch along with seed. Many rain events followed the application. Just 4 weeks later they had fantastic results. At that point there were no erosion failures, the water leaving the site was clean and clear and they had 90% germination and coverage. The client was extremely pleased with the results and continues to use EarthGuard Fiber Matrix.



EarthGuard Fiber Matrix

Erosion Control

www.earthguard.com

Terra Novo, Inc. PO Box 81916 Bakersfield, CA

EarthGuard® is a soil stabilizing emulsion, specifically formulated to reduce erosion and sediment runoff. It is 100% biodegradable and conforms to many state DOT specifications including NCDOT. EarthGuard® Fiber Matrix (FM) is a one-step 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 very low rates. It provides immediate dust and erosion control, absorbs raindrop impact and provides soil stabilization until permanent vegetation is established or construction is resumed. EarthGuard® FM's versatility allows it to be highly effective in many applications: erosion control, dust abatement, slope stabilization, landscape design, storm-water runoff, fire rehabilitation, land development, landfill winterization and vegetation, roadway construction and golf course construction.

For areas where <20" of rainfall is expected prior to full germination

Slope	≤6:1	5:1	4:1	3:1	2:1	1.5:1	1:1
Gal/Acre	4	5	6	7	8	9	10
Lbs mulch/ acre	1500	1500	1500	1800	2000	2500	3000

For areas where ≥20" of rainfall is expected prior to full germination

Slope	≤5:1	4:1	≥3:1
Gal/Acre	6	8	10
Lbs mulch/ acre	2000	2500	3000

Application Rates and Methods

EarthGuard® FM application rates depend on field conditions and desired benefits. The charts above can be used as general guidelines. It is suggested that slopes be "track-walked" with flow interruption devices every 25-30'.

Storm-by Storm Protection

For temporary protection of slopes and flat areas, EarthGuard® can be applied without mulch via water truck or other spraying device. Apply 3-8 gallons of EarthGuard® per acre mixed with enough water to cover the area to be treated. This application will keep soil and sediment in place for a couple rain events and stabilize the soil until EarthGuard® FM can be applied or construction resumes.



For technical service or to locate your nearest EarthGuard® dealer,
call 888.843.1029 or visit www.earthguard.com

Terra Novo, Inc. PO Box 81916 Bakersfield, CA 93380