



EarthStop 240 Series is a soil specific tailored polyacrylamide co-polymer emulsion for erosion control. It reduces and prevents erosion of fine particles and colloidal clays from water.



EarthStop 240 Series mixed with GeoMatrix Fiber and applied to the soil surface to stop soil migration

A Soil Specific Emulsion Agent to Prevent Soil Erosion

EarthStop's effectiveness is created from the length and ionic charge resulting in a unique polymer molecule formulation and those polymer molecules' ability to bond with the surface materials. Its chemical structure is made of molecules attached in relatively straight-linked chains and then cross-linked among other chains or grids that maybe up to 25,000,000 molecules long.

EarthStop yields proprietary one-of-a-kind polymer chemistry manufactured to rigid quality standards utilized in combination with field experience in all industrial, commercial and municipal environments.

Features and Benefits

- Removes colloidal and organic particulates from storm water
- Prevents colloidal solutions in water when applied to the soil surface
- Will reduce soil movement during rain event on moderate slopes
- Binds cationic metals within the soil matrix, reducing the movement of heavy metals (mercury, arsenic, cadmium & lead)
- Reduces pesticide and fertilizer loss during rain events
- Reduces windborn dust conditions
- Increases soil permeability and water penetration to shallow plants
- Reduces operational and cleanup costs
- Reduces environmental risk and meets EPA compliance

Primary Applications

- Mine Tailings and Waste Piles
- Newly Cleared Construction or Building Sites
- Road and Highway Construction
- Hydroseeding and Water Truck Application
- Hand Spreading and Ditch Placement



Soil Binding and Stabilizing Properties



EarthStop 240 being applied to turbid water



Bonds particulates to prevent soil erosion

Specifications | Compliances

- ANSI/NSFS Standard 60 Drinking water treatment chemicals

Coverage

- 2 to 5 gallons / Acre on gentle slopes
- 5 to 10 gallons / Acre on steeper slopes

Directions for Use

EarthStop may be applied with hydroseeders, water trucks or other spraying devices. Spraying devices having a mechanical agitator, mixing apparatus or hydraulics circulation will work best.

Mixing

Pour emulsion into the water tank or hydroseeder. Allow emulsion to mix for one - two minutes before application. Seed, fertilizer, and mulch should be added into hydroseeders before the emulsion has been added.

Recommended Dosage

2 to 5 gallons of EarthStop 240 Series to 3000 gallons of water. Water volume varies with applicators, 2 to 10 gallons of EarthStop required to cover 1 acre based upon soil chemistry and slope gradient.

For Best Results

Blend EarthStop 240 series with premium wood fiber hydromulch (GeoMatrix) and apply to the soil surface. Increasing organic fiber content in the mix will greatly enhance soil binding ability. EarthStop 240 can also be utilized as a tackifier and a soil binding agent when applied over straw or hay mulch. Once the soil and hay is saturated with EarthStop, the anionic bonds will adhere to the soil and hay fiber to stop soil particulates from migrating off site.

Precautions & Limitations

- Clean up spills quickly. Do not use water unless necessary. Extremely slippery conditions will result.
- Do not add water to the EarthStop emulsion. Add the emulsion to the water slowly while mixing or to the tank filling water stream.
- EarthStop will remain viable on the soil surface for 60 / 90 days. Longer viability will occur when applied emulsion is covered with straw or wood fiber mulch.
- EarthStop has been tailored to specific soil types. Soil types in varying geographical areas may require testing.