



500 Farmers Market Rd., # 18  
 Fort Pierce, FL, 34982-USA  
 +1-772-323-5400 - 800-775-9474



[info@enviroseal.com](mailto:info@enviroseal.com)

<http://www.enviroseal.com>

## Soil stabilization and Erosion Control using Enviroseal polymers

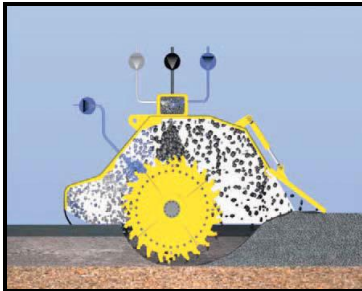
*Enviroseal products are highly concentrated and exhibit excellent water and Ultra Violet resistance.*

### Soil Stabilization

Enviroseal polymers are added to soil as a percentage of the soil dry density weight. The minimum recommended dosage rate is 1% for light applications and up to 6% which is considered for military applications. Enviroseal polymers are concentrated and mixed with water then added to the soil and compacted. It is a simple process done with standard construction equipment that includes a minimum of a grader, water truck, and vibratory compactor. On average, rates between 2% and 3% will show excellent results to increase bearing capacity and CBR values on poor grade soils. Knowing the OMC (Optimum Moisture Content) and the in-situ moisture content is necessary prior to beginning since the addition of moisture to the soil includes a polymer and water mixture.

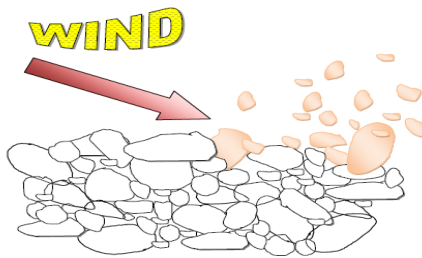
*Soil with a dry density weight of 1650 kg/M3 using 2% will use 32 liters per cubic meter.*

*Soil with a dry density weight of 3250 pounds per cubic yard using 2% will use 8 gallons per cubic yard.*



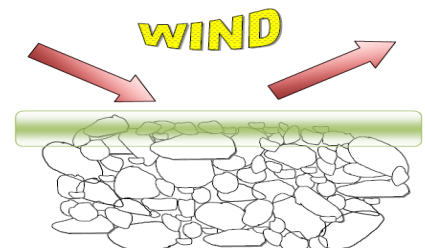
### Erosion Control

Erosion is the process of weathering and movement of soil and rock. It usually occurs from water or wind. The rate of erosion depends on many factors that include the amount and intensity of rain and wind speed. Water erosion is the impact of rain as it breaks apart particles of clay, silt and sand. It fills the soil pores and reduces infiltration and adsorption. Wind erosion is most common in arid conditions. Wind can move soil several feet or thousands of miles across oceans. Wind causes small particles to be lifted and moved and generally occurs in areas with little or no vegetation.



Untreated

To effectively treat wind and rain erosion, a topical application of Enviroseal is used. It forms a strong impermeable barrier preventing water adsorption and a protective sheet to prevent windblown dust.



Treated

**Environmentally Safe products for Today's Construction Projects**