IRRIDAN
Road stabilization & Dust control

Erthbind™ vs. Synthetic Polymers

When compared to polyvinyl acrylics and acetate polymers:

- Erthbind is specifically manufactured as a dust control and soil stabilization product. Erthbind is not a "by product" or waste product. Produced under a variety of trade names, synthetic polymer emulsions generally are a by-product of the paint and adhesive industry.
- Erthbind is significantly more economical. Polymers used for dust control and stabilization are more expensive
- Erthbind solution that is normally recommended is stronger than the concentrations that have been recommended by polymer suppliers. The cost of polymers can be double or triple the cost of Erthbind. Therefore some polymer suppliers often recommend a more diluted solution to remain competitive. In other words, one gallon of Erthbind concentrate can treat much more area than what is recommended by polymer suppliers.
- Erthbind is formulated with a surfactant that helps break the surface tension of soil and therefore will penetrate an unpaved surface while polymers typically just coat the surface.
- Erthbind does not get brittle in sunlight as polymers typically do. Therefore Erthbind can be driven on whereas driving can expedite the deterioration of a polymer treated surface
- Erthbind does not readily break down when exposed to moisture or freezing temperatures. Tests have shown that synthetic polymers applied in wet climates tend to break down if exposed to moisture or freezing for an increased time.
- Erthbind concentrate can be stored in freezing temperatures. Various synthetic polymers cannot be stored at or below freezing temperatures.