



# SoilCap

*Dust Capping Agent*

## The Perfect Structure.

### **BENEFITS**

- *Dust Capping Agent*
- *Protection from Wind & Water Erosion*
- *Low Application Rates*
- *Highly Effective*

It has been known for many years that soil particles owe their stability in part to the presence of naturally occurring polymeric materials which bind to the soil. SoilCap is a polymeric soil stabilizer designed to hold together soil structure, similar to the effect of the organic matter found in most soils. SoilCap protects the soil structure by binding to soil crumbs, reducing crumb breakdown, and by creating a cap to further resist environmental attack. Application of SoilCap reduces erosion up to 95% and creates excellent resistance to weatherability. SoilCap is a superior choice for capping dirt fields and undisturbed construction sites, yielding months of protection against wind and water erosion.

### **APPLICATIONS**

*Dirt Fields*  
*Crop Fields*  
*Construction Sites*  
*Campgrounds*  
*Undisturbed Land*



[www.tagchemical.com/dust](http://www.tagchemical.com/dust)

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## Application Rates & Techniques

### APPLICATION

As with all dust suppressants, application rates and methods depend upon the site, environment, soil type, and more. Each site is unique, and as such, the following application rates are based on averages in the field. The typical application rate for SoilCap is 5 to 6 gallons per acre, handling normal wind erosion, however, depending upon the weather conditions and location of the site, we have seen 10 to 12 gallons per acre needed. Please contact your TAG representative for site specific recommendations.

| Surface Type                          | Particle Grade | Gallons / Acre | Dilution Rate |
|---------------------------------------|----------------|----------------|---------------|
| <i>Typical loose dirt road</i>        | <i>Sand</i>    | <i>5 - 6</i>   | <i>300:1</i>  |
| <i>Compacted dirt road</i>            | <i>Silt</i>    | <i>6 - 10</i>  | <i>300:1</i>  |
| <i>Alkaline or clay surfaced road</i> | <i>Clay</i>    | <i>10 - 15</i> | <i>300:1</i>  |

SoilCap should be diluted in water at a rate of 300:1. Some circulation is needed to complete the inversion of the product. The product is readily dispersible in water and it is advised to have the ability to recirculate the water tank on itself to mix. About 5 minutes of mixing is adequate.

Cure time for SoilCap is just under four hours on a typical sunny day.

### SURFACE PREPARATION

When possible, grading the surface soil will greatly improve SoilCap's penetration, thereby enhancing the lifetime of the product. The product can also be applied directly onto the soil without any surface preparation.

### SAND SIEVE ANALYSIS

Sand Sieve Analysis is a practice or procedure used to assess the particle size distribution of granular material. The size distribution is critical in determining the type of dust suppressant needed and application rates to be used. The practice of Sieving is quick and accurate, measuring the maximum diameter of a sediment grain. There are four aspects of this proven test, including sizing, sorting, kurtosis, and skewness. After the analysis, we can determine the percent sand, silt and clay in your soil, and textural class, thereby recommended an accurate application rate and method for your needs.

| Particle Grade | Size (mm)        | Surface Preparation  |
|----------------|------------------|--|
| very coarse    | 1-2              | Optional grading of the surface to extend product lifetime, but not necessary. |
| medium sand    | 0.25-0.50        |  |
| fine sand      | 0.125-0.25       |  |
| silt           | 0.0039-0.0625    |  |
| clay           | less than 0.0039 |  |

For a free Sieve Analysis, please send a sample of your soil to:  
The Amber Group, 40 Red Rock, Suite 200, Irvine, California 92604,  
or contact us at (866) 762-4060.

### ABOUT US

The Amber Group, LLC provides a complete line of erosion control, dust control, canal irrigation protection, hydroseeding and stormwater treatment products. We pride ourselves on the development of environmentally-friendly "green" products. Our erosion control products have been tested to show 98% erosion reduction with extremely low usage rates. We offer hydroseeding products including all-natural food additives and a tackifier, all designed with high resistance to rainfall and decomposition while assisting in seed germination. Our dust control products include applications to treat roadside construction, dusty roads, horse arenas and pads. We have recently developed stormwater treatment products combining excellent separation process enhancement with a new chemistry that is extremely safe to use for people and the environment.

For more information about SoilCap and our other products, please contact visit us at [www.tagchemical.com](http://www.tagchemical.com).