

# CCI - SOIL STABILIZER

## Soil Stabilization Emulsion



### PRODUCT DESCRIPTION

CCI Soil Stabilizer is a water-based pure acrylic binder specifically formulated as bonding agent for soil/aggregate stabilization and dust control applications. It has an excellent water resistance and aging properties. Sopil Stabilizer is used where excellent binding properties are needed in tying-up aggregate in the road base or in preventing airborne dust, especially when incorporated with cement. Use of this product allows mines construction sites and dusty areas to avoid the dangers associated with fines.

### BENEFITS:

#### PROTECT YOUR SITE FROM LOW VISIBILITY

Non-hazardous and has no environmental impact. ■ It dries clear, preserving the natural look and color of the native soil. ■ It permeates the surface and binds to the soil particles and forms a strong impermeable barrier eliminating water adsorption and forms a protective sheet. ■ Outstanding water and ultra violet resistance ■ Outstanding water and ultra violet resistance ■ Excellent alkali resistance. ■ Significantly reduces dust in constructions and mines area. ■ Achieve optimal safety and environmental compliance. ■ Reduce water needed for dust suppression on mine and construction roads. ■ Cost effective alternative in road construction. ■ Reduce water needed for dust suppression on construction roads.

### APPLICATION:

CCI Soil Stabilizer is best applied with a spray bar mounted in a stabilizer machine or water tank. The application conditions must be well controlled to insure that the proper amount of stabilizer is delivered into the soil and to achieve the proper moisture content for compaction. The dilution amount is selected to achieve the target additive quantity at the desired moisture content required for the most efficient compaction of the soil.

Be sure to remove large stones before applying. ■ Spray and immediately covered with soil. ■ Mix soil using tractor with rotovator or any other available equipment. ■ Start compacting with vibrating compactor. ■ For smoother finish use double steel using two rollers. ■ The next day, finish with double steel roller for smoother surface. ■ Let the stabilized soil dry for 48-72 hours. Drying time will depends on humidity. ■ Apply on surface for sealing. ■ Let the dried for 24 hours.

### STORAGE:

Soil Stabilizer should not be stored longer than 6 months in a covered and well ventilated area with a temperature not higher than 32 degrees Centigrade. The product should kept away from direct sunlight and heat. The container should be tightly closed.

### TYPICAL APPLICATION RATES

#### A. Topical Erosion Control

One pint to 0.5 Gallons per square yard (250 ml to 2 liters/M2) mixed with 5 to 15 parts water. The slope angle, surface texture, soil particle size, plasticity, density, and in-situ moisture should be considered. The final outcome is determined by the amount of polymer solids adsorbed within a given cubic area. A uniform application depth of 10 to 15 mm will yield optimum results.

#### B. Full Depth Stabilization

Five to Ten gallons per cubic yard requires mixing completely with soil. When used as a stabilizing binder, high unconfined compressive strength, density, flexural strength and impact resistance are easily achieved with minimal admix rates.

### PACKAGING:

1,000 kg in plastic totebin container  
200 kg plastic drum

### SHELF LIFE:

6 months.

### SUGGESTED USES:

Soil Stabilization - Road Construction

Color	White
Viscosity	20 - 100 pcs
	3.50 - 4.50
Specific Gravity	1.01