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Installation Guidelines for Enviroseal Liquid Dust Control

All soil is not equal. Prior to any dust control installation, it is important to perform testing on your soil. Particle size, density, liquid limit and traffic will have varying results. The following are generalized instructions and determination of individual results depends on many factors that include site conditions and available equipment.

1. Prepare the surface

For best results, smooth, grade & compact the soil area to 95% density. If the treatment area is natural soil or clay, loosen the top 1 or 2 inches (2.5 to 5 cm) and then compact prior to treatment.

2. Pre-Wetting

If the soil is very dry, pre-wet the surface with water at a rate of 1 gallon to every 100 square feet. This will help lower the surface tension and allow for deeper penetration.

3. Application Rates

Application rates vary depending on desired outcome, and end use. For road traffic conditions, concentrated LDC is typically used at 0.05 to 0.15 gallons per square yard. For stockpile and erosion control, application rates are estimated at 0.025 gallons per square yard.

4. Dilution rates

Dilution rates will vary depending on soil type, penetration depth, and in-situ soil moisture content. Typical water mix rates are from five to ten parts water. Addition of Enviroseal LDC to the water last will prevent foaming. Determine water mix rates immediately prior to application by testing various mix rates within a given area.

5. Application process

Application should be performed with a pressurized water truck. Apply material in 2 or more passes. Do not let the area dry between coats.

6. Curing

For best results, lightly static compact the treated area after +/- 30 minutes. Do not compact if soil is too wet. Cure time is approximately 2 hours depending on ambient conditions. Hotter and drier conditions accelerate curing while lower temperatures and higher humidity reduce cure time. Treated areas can be opened to traffic immediately after application providing surface is not wet, Normal traffic will aid in compaction.

7. Turning areas

Areas subjected to turning vehicles will require heavier and more frequent applications because these areas are subject to shearing that causes potholes and rutting.

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