



SOILTAC[®]

Topical Non-Traffic & Slope Area Application Overview

1.) Prepare the Site:

Dry Soil: The site should be completely dry free from water.

Weather: The site must be free from rain for a minimum of 72 hours after the application. Temperature must be at least 40°F (4°C).

Compaction (Optional): Compaction is not required but is recommended for optimal longevity. A minimum of 95% density is recommended (per ASTM D 698 D 1557 modified Proctor Density).

Drainage: Optimally, contour the site to provide for proper drainage to prevent channeled water flow.

2.) Prepare Application Equipment

Spray Nozzles: Set spray nozzles to the desired width, height and output rate.
 Test equipment (off-site) if necessary.

Coverage: The spray nozzles should provide an even coat over the treatment area with each pass.

Spray Rate: Set the spray rate high enough to allow even coverage with multiple coats and low enough to prevent material from draining away from the treatment area.

Pre-Wetting (Optional): Optimally, pre-wet the treatment area with water (only) to break the surface tension and increase penetration depth. Pre-wet at a rate of 100 SF/gallon (2.5m²/liter) of water.

Release Agent (Optional): Optionally, a form release agent (like Durasoil[®]) can be sprayed onto the equipment to prevent Soiltac[®] overspray from adhering onto the outside of the equipment

3.) Prepare the Soiltac[®] Dilution:

Water: Fill the application equipment with the recommended volume of water.
 Reference the "application coverage rates" chart.

Example: 6 Month Dust Control (no traffic)=75 gal./acre=580 ft²/gal.)(2.5m²/liter) + 15 parts water

Equipment: 4,000 gallon (15,142 liters) water truck

Calculation: 15+1 = 16 parts dilution total.

4,000 gallons / 16 parts = 250 gallons (946 liters) per part

Volume of Water: 250 gallons X 15 parts = 3,750 gallons (14,195 liters) of water

Volume of Soiltac[®]: 250 gallons X 1 part = 250 gallons (946 liters) of Soiltac[®] concentrate

Volume of Dilution: 250 gallons X 16 parts = 4,000 gallons (15,142 liters) of Soiltac[®] dilution

Soiltac: Fill the application equipment with the recommended volume of Soiltac[®] concentrate.

Foaming: To prevent foaming, add the Soiltac[®] concentrate last, directly into the water.

4.) Apply the Soiltac[®] Dilution

Multiple Coats: Apply the Soiltac[®] dilution in coats over the treatment area. On slopes, the steeper the slope, the need for more coats (to prevent run-off and increase penetration depth).

Example: (See Above) 6 Month Dust Control Rate (no traffic) typically requires 1-2 Coats

250 gallons / 2 coats = 125 gallons (473 liters) (Soiltac[®] concentrate) per coat.

4,000 gallons / 2 coats = 2,000 gallons (7,571 liters) (Soiltac[®] dilution) per coat.

250 gallons (Soiltac[®] concentrate) / 75 gal./acre = 3 1/3 acre (13,489 m²) treatment per water truck

Drying: On slopes, each successive coat of Soiltac[®] dilution should be applied in a timely manor to ensure that the surface always stays wet with the Soiltac[®] dilution. On slopes, DO NOT allow the Soiltac[®] dilution to dry in between the application coats. Failure to do so will result in an underperforming "skin" layer rather than a penetrating layer.

5.) Clean the Application Equipment

Rinse: Rinse off all application equipment thoroughly with water until clean. If Soiltac[®] is allowed to dry and cure, use a pressure washer or steam cleaner and a brush to remove residue.

Traffic: Prevent any human activity over the treated area.

Curing: Allow the treated area to dry and cure for approximately 24 hours (@70°F/21°C).