

SOILTAC[®]

Topical Traffic Area Application Overview

1.) Prepare the Site:

- Dry Soil:** The site should be completely dry and 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). (varies by location)
Compaction: Compact the site to a minimum of 95%.
 (per ASTM D 698 D 1557 modified Proctor Density).
Drainage: Contour and crown the site to provide for proper drainage.
Loose Aggregate: Remove any loose aggregate, soil or debris from the treatment area.

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: Roads (Light Traffic) = 70 ft²/gallons (1.7m²/liter) +7 parts water.
Equipment: 4,000 gallon (15,142 liters) water truck
Calculation: 7+1 = 8 parts dilution total.
 4,000 gallons / 8 parts = 500 gallons (1,893 liters) per part
 Volume of Water: 500 gallons X 7 parts = 3,500 gallons (13,249 liters) of water
 Volume of Soiltac[®]: 500 gallons X 1 part = 500 gallons (1,893 liters) of Soiltac[®] concentrate
 Volume of Dilution: 500 gallons X 8 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.

Example: (See Above) Roads (Light Traffic) typically require a minimum of 4 even coats.
 500 gallons / 4 coats = 125 gallons (473 liters) (Soiltac[®] concentrate) per coat.
 4,000 gallons / 4 coats = 1,000 gallons (3,785 liters) (Soiltac[®] dilution) per coat.
 500 gallons (Soiltac[®] concentrate) X 70 ft²/gal. = 35,000 ft² (3,252 m²) treatment per water truck

- Drying:** Each successive coat of Soiltac[®] dilution should be applied in a timely manner to ensure that the surface always stays wet with the Soiltac[®] dilution. DO NOT allow the Soiltac[®] dilution to dry 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 hot pressure washer or steam cleaner and brush to remove residue.
Traffic: Prevent any human activity over the treated area until the site has completely cured.
Curing: Allow the treated area to dry and cure for approximately 24 hours (@70°F/21°C).