



Step 1. Furnishing the reagent

The reagent, usually powdered Quicklime Plus, arrives at the job site in pneumatic trucks. With the use of on-board blowers, the pneumatic truck transfers the reagent into a spreader truck. It takes approximately an hour to transfer and spread a load of 27 tons of material onto the subgrade.

Step 1. (con't) Spreading the reagent

The spreader truck spreads the reagent at the appropriate mix design percentage. The spreader truck utilizes ground radar to feed an on-board computer that precisely controls the spread rate to be within tolerance at all times.



Step 2. Water mixing

The mixer and water truck has a hard connection allowing for an integrated system where water is uniformly injected directly into the mixing chamber. The amount of water is controlled by the operator with the help of an on-board computer. The mix can be as deep as 18" per lift. After initial hydration, a second mix, or re-mix is performed allowing for final adjustments in the water content and further breakdown of soil gradation.



Step 3. Compaction

Initial compaction, in lifts up to 18", is achieved only with specialized equipment. An open ring design and heavy weight allows for lifts within lifts. This monolithic lift process achieves the proper compaction throughout the treated section.

Quicklime

- Calcined limestone
- Clay soils only
- Strength increase
- Expansion reduction

Quicklime Plus

- Quick Lime / Cement
- Treatment of most soils
- Uniform Strength gains
- Expansion reduction

Cement

- Treatment of sandy soils
- Treatment of base rock
- Pavement rehabilitation
- Strength increase

Soil Mixing

- Moisture Optimizing, Particle Sizing

Clay Mixing

- Landfill and Pond Liners

Asphalt Pulverization

- Sizing to 1" Minus

Dry-Sac

- 1 ton sacks of soil reagents for isolated soil modification (dry-up)

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