



LithTec™ Installation Equipment Requirements

Disclaimer

This document is designed to provide a summary of the equipment requirements utilized to install LithTec™. It is in no way designed to take the place of the *LithTec™ Treated Full Depth Lithification Installation and Performance Specification*.

Required Equipment to Meet Specification (For Standard Roadway Installation)

- Motor Grader with Experienced Finish Grade Operator
- Reclaimer or Pulverizer (with Computerized Water Distribution System Required)
- Sheepsfoot Compactor (12-ton roller)
- Double Drum Roller (12-ton roller)
- Cement Spreader (Calibrated and Computerized Spread Rate Required)
- 1 Water Truck Dedicated for the Reclaimer
- 1 Water Truck Dedicated for the Grader and Keeping the Previous Completed Section Moist
- 1 Water Tanker for Storage if More Than 30 Minutes From Water Source
- Densometer (NOT provided by Lithified Technologies US)
- Lightweight Deflectometer (Provided by Lithified Technologies US)
- Speedy® Moisture Meter (Provided by Lithified Technologies US)

Be advised that the use of equipment that does not meet the LithTec™ specifications will have an impact on the overall performance and longevity of the road. For example, using a grader rather than a reclaimer to mix the product and material together will reduce the homogenous blend of LithTec™ into the road-base material. Use of light weight rollers will reduce consistency and effectiveness of compaction. Not having the reclaimer's mixer set at the designated depth affects the LithTec™ dosage requirements. Not having a computerized water distribution system on the reclaimer with hose attached directly to the water truck reduces consistency of moisture content, which leads to not meeting compaction requirements, density requirements, and/or not meeting stiffness requirements, which all increase the risk of failures.

Optional Equipment to Improve Results and Increase Production

- Additional Water Trucks depending on distance to water source to avoid loss of production
- Pneumatic Roller for optimum compaction

Equipment for Receiving PNEUMATIC TANKERS

- Cement Spreader (w/ attachments and hoses to receive LithTec™ Product in pneumatic tankers)
- Pig or Guppy (w/ attachments to receive pneumatic tankers; recommended for projects to exceed 150 tons or for projects more than 250 miles from LithTec™ blending sites.)

Equipment for Receiving and Violating SUPER SACKS

- Bulk Bag Unloader (for example: DMI BTL-12 bulk bag unloader; for rental or purchasing options contact Diversified Mineral Inc. at www.dmicement.com.)
- Stair and Platform (utilized to violate supersacks above cement spreader or pneumatic tanker when opening is available on top and bulk bag unloader is unavailable.)
- Telescopic Forklift (capable of safely lifting 4000 lbs.)

v.1.3-521