

- Position and install hose clamps, making sure the bolt-on clips are in place to hold the pumping line and material hose together.
- Restart the machine as described in "STARTING THE MACHINE".

REPLACEMENT OF PUMPING LINE (with Gum Rubber Insert)

- Unbolt the hopper from the unit.
- Turn the control box to "reverse" and slowly back the pumping line out of the squeeze chamber by pulling on the hopper after it has cleared the unit.
- Check the squeeze chamber for material. Clean using solvent or high pressure water and detergent.
- Attach the 5 foot pumping line (normally black) to the hopper before installing the pumping line in the Carrousel Pump.
 - Lubricate the elbow outside the bottom of the hopper and the inside of the hose with silicone liquid to help force the pumping line over the tube. After the pumping line has been slipped over the tube on the elbow, attach the hose clamp. The hose clamp must be connected to the hopper by an external bolt-on clip to keep the hose from separating.

IMPORTANT: Should the material line become disconnected from the bottom of the hopper, the bolt-on clip will prevent the metal clamp from being pulled into the pump. Failure to attach the bolt-on clip will result in the clamp being pulled into the pump and damaging the squeeze rollers.
 - Turn the control box to "forward" and put the bare end of the pumping line in the pump on the left hand side between the rollers and pressure plate holding the hopper upright. The pumping line will slowly feed around and emerge on the right hand side of the pump. When the pumping line has passed fully into the pump and the material hopper has reached its proper location and is bolted in place, approximately 1 to 2 feet of pumping line will extend from the right side of the pump.

IMPORTANT: Coat the outside of the pumping line with silicone liquid to speed installation and to reduce the wear and tear on the exterior of the pumping line; this was done before shipment of this machine. Silicone liquid can be applied to the pumping line using a squirt oil can after assembly.
- After the pumping line is in place, the internal tube and material line can be attached. Again, use silicone liquid for easier connection.
- Restart the machine as described in "STARTING THE MACHINE".

STORAGE & SHELF LIFE

Store all materials in a cool, dry environment. Keep out of direct sunlight. Ideal storage temperature is 75°F (24°C). Protect from freezing. In unopened original containers, all materials have a shelf life of approximately one year.

TECHNICAL SERVICES

ATLAS maintains a staff of Technical Service Representatives who are available to assist you with the use of ATLAS products. In the event of difficulties with the application of ATLAS materials, the installation should be stopped immediately and ATLAS' Technical Service Department consulted for assistance.

PRECAUTIONS

Protective equipment is recommended when spraying and cleaning the machine:

Rubber Gloves, Long Sleeve Shirt and Pants, Respirator with Organic Vapor Cartridge, Face Shield or Goggles, Protective Cream on Exposed Skin Areas

The materials referred to in this Data Sheet are for Industrial Use Only. They contain materials that present handling and potential health hazards. Consult Material Safety Data Sheets and the container labels for complete precautionary information.

WARRANTY

ATLAS warrants that its products will be free from defects in workmanship and materials under normal use for a period of one (1) year from the date of shipment by ATLAS (provided the products are installed before the expiration of the shelf life). THERE ARE NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR THE PURPOSE FOR THIS PRODUCT WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. ATLAS' LIABILITY FOR ALLEGED BREACH OF THIS WARRANTY SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT (BUT NOT INCLUDING REMOVAL OF THE DEFECTIVE PRODUCT OR INSTALLATION OF REPLACEMENT PRODUCTS). ATLAS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES DURING THE WARRANTY PERIOD OR THEREAFTER. **ATLAS' WARRANTY IS VOIDED IF PAYMENT FOR PRODUCT IS NOT RECEIVED IN FULL.**

SPRAYING PROCEDURES

Operating Instructions for Spray Application

REZKLAD[®] E-125S AR REZKLAD[®] E-135S / REZKLAD[®] E-135SC

This procedure is used to install any of these products with the QUIK-SPRAY[®] Machine (Model #1025E) on any horizontal, vertical or overhead surface, i.e. Floors, Walls, Ceilings, Sumps, Trenches, Dikes.

For additional information, see the ATLAS Data Sheet for the specific product.

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SUGGESTED TOOLS AND EQUIPMENT

Items shipped with Quik-spray Machine from ATLAS:

Pumping hose, Material hose, Hose clamps, Fuses, Air tip, Material orifices, Silicone liquid, 1-1/2" sponge cubes Plastic five-gallon mixing pails, KOL mixer, Cleaning rags and mixing tools, Personal Protective Equipment – see "PRECAUTIONS", Air supply – must provide a minimum air flow of 7 cfm at 80 psi.

SURFACE PREPARATION

ATLAS spray toppings are applied to concrete or metal substrates that are structurally sound, clean, dry and free of all contaminants such as sealers, curing compounds, coatings, oil, dirt and dust. Previously applied coatings or paint must be removed.

ATLAS spray toppings are designed to be spray applied to substrates that have been primed with REZKLAD E-CONCRETE PRIMER.

The primer must be tacky or dry before proceeding (8 hours at 77°F [25°C]) and must be applied within 48 hours of applying the spray topping or repriming is required.

TEMPERATURE DURING APPLICATION

Store all materials at 70°F (21°C) to 80°F (27°C) for 24 hours prior to use. The best working characteristics of the spray topping will be attained when the temperature of the substrate, air and materials are all between 60°F (16°C) to 85°F (29°C). Minimum temperature for installation is 60°F (16°C). At temperatures below 60°F (16°C), the product may not set or cure properly.

CHECKING THE MACHINE

1. Rub silicone liquid into each roller. This should be done at least once every other day during regular usage.
2. Plug the power cord into a 110v AC outlet or generator.
3. From the Control Box Panel, see Figure 2; switch the machine to "Run". Check that the machine is moving in both the "Forward" and "Reverse" directions.
4. Set the machine to the "Forward" position and turn the "% of Motor rpm" rheostat control to the lowest speed required to turn the rollers.
5. Check pole gun (wand), see Figure 3, by looking down the barrel to ensure that no residue remains in the barrel.
6. Attach the air supply line from the air source to the inlet side of the air regulator.
7. Attach the air line from the regulator to the control valve on the pole gun.
8. Turn on air supply.
9. Open the control valve to let air flow through the tip to ensure that there is no blockage in the line. Air pressure should be adjusted to a minimum of 80 psi, with the control valve open.
10. Use the control valve to shut off the air flow.

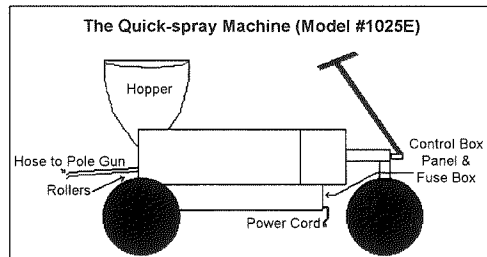


Figure 1

STARTING THE MACHINE (DO NOT ATTACH POLE GUN TO RED HOSE)

1. Adjust the air line tip until 1-1/4" to 1-1/2" of the brass, cylindrical, stem is visible from the rear brass bushing of the pole gun.
2. Open the control valve to allow a small amount of air flow to avoid material backing up into the air line tip.
3. Mix material according to mixing instructions provided on the ATLAS Data Sheet or container label.
 - a. A small amount of powder is removed from the first batch of material (6 lb. for silica powder; 3 lb. for carbon filler) at each start-up time to provide proper wetting out of the hose. In addition, approx. 8 fl. oz. of uncatalyzed resin should be poured into the throat of the hopper for added wetting of the hose at start up.
 - b. The amount of powder may be varied slightly to obtain the desired consistency and to prevent equipment shutdown. This will decrease the estimated coverage.

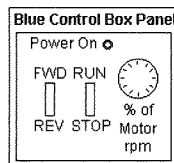


Figure 2

4. Add the mixed material to the hopper.
5. Set the "% of Motor rpm" control to 15-22 for Blue Control Box units (10-18 rpm, for other units). **DO NOT attach pole gun.**
6. The material will move through the hose and begin to ooze out the open end. Collect this material. Continue until the consistency is the same as that in the hopper. Discard the collected material.
7. Stop the pump.
8. Rub silicone liquid on the pole gun base; attach the hose with a hose clamp.

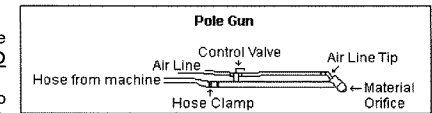


Figure 3

APPLYING THE PRODUCT

1. Turn the pump on and regulate the speed – 18-22 for Blue Control Box units (10-18 rpm, for other units) is recommended.
2. While spraying the material, the hose should remain slightly compressible. If the hose becomes hard, turn the machine to "Reverse" to prevent hose rupture. After the pressure is removed from the hose, the material orifice (twist-on spray cap) should be removed to check for blockage.
3. Hold the pole gun approximately two feet from the surface being covered. Use a back and forth motion to attain a desirable pattern.
4. Apply a 1/8" coating for floors and 1/16" for walls and ceilings. A second 1/16" coating is applied to walls and ceilings after the first coat has dried, approximately 12 hours later.
5. Increase the air flow to achieve satisfactory spray pattern.
6. The material hopper should be constantly scraped down to prevent hardening of material on the sides.
7. Product should be continually mixed and added to the hopper to ensure that there is always fresh material flowing through the hose.
8. When spraying is complete, turn the machine off. When material flow stops from the pole gun, reduce (DO NOT STOP) air flow. A small amount of air should always go through the air line tip so it does not become blocked.

CLEANING THE MACHINE

1. Remove the material orifice from the pole gun and clean with REZKLAD S Cleaner and water. Slowly remove the air line tip from the gun and wipe off with a solvent rag or cleaner.
2. Shut off the air.
3. Add REZKLAD S Cleaner to the hopper. Use gloved hands to mix any material remaining in the hopper with the cleaner.
4. Start the pump again. The cleaner will force the remaining material from the hose; collect this material in an empty pail. After the material coming through the hose changes from product to cleaner, recycle the cleaner to the hopper. Continuous recycling of the cleaner will allow it to mix with remaining product and prevent residue blockages. The mixed cleaner and product will have a uniform color. Pump out all mixed material and discard.
5. Remove pole gun from red material hose. Wash the inside and outside of the pole gun using a nozzle equipped water hose to remove all cleaner residue.
6. Add clear water to the hopper and mix with any remaining cleaner. Clean the inside of the pumping line and hose by inserting 1-1/2" sponge cubes into the hopper and through the line.
7. Rinse with water and sponge cubes two or three times until the water coming out is clear and no more cleaner is forced out by the sponge. **Keep count of the number of sponges that are placed into the unit to be sure that all are recovered.**
8. Higher rheostat settings may be necessary to force sponges through machine – 25-30 for Blue Control Box units (24-34 rpm, for other units).
9. Clean the outside of the hopper and the exterior of the machine with cleaner and water.

REPLACEMENT OF MACHINE PARTS

If a pumping line or hose becomes blocked or ruptures, it must be replaced. The machine must first be taken apart and cleaned as described in "CLEANING THE MACHINE".

REPLACEMENT OF RED MATERIAL HOSE (150 to 200 psi.)

1. Use silicone liquid to lubricate the outside of the internal tube and the inside of the new material hose.