

## CONCRETE PUMP PRIMER AND PUMPING AID

### ADVANTAGES

- The original patented pump primer.
- No need for expensive ready-mixed priming grout.
- Eliminates the need for carrying bagged cement.
- Packaged in easy to handle 8 ounce bags.
- Increases ease and range of pumpability.
- Decreases wear on equipment.
- Easily introduced into pumping equipment.
- Decreases horsepower required for pumping.
- Reduces friction and line pressure.
- Packaged in water-soluble Fritz-Pak inner bags.

### DESCRIPTION

Slick-Pak is a dry powdered pump primer and pumping aid packaged in a patented, ready-to-use, water-soluble bag. Slick-Pak is uniquely formulated to provide the concrete pumper with a cost-effective replacement for premium priced grout, primer slurries or bagged cement primers. Additionally, Slick-Pak functions as a concrete pumping aid by reducing line pressure, which enables the placement of hard to pump mixes and increasing the range of pumpability. Slick-Pak is also environmentally safe and compatible with all conventional concrete materials. Slick-Pak contains no bentonite, cementitious materials, soaps or air entraining agents.

### DIRECTIONS FOR PUMP PRIMING

Use the following directions to prime one hundred feet of five inch pump line:

#### CASE 1 - FOR PUMPS WITH PRIMING PORTS:

1. Each 8-oz Slick-Pak is double bagged. Remove the outer bag and add the patented water-soluble Fritz-Pak inner bag to a five gallon bucket of water.
2. Stir or mix for 1-2 minutes.
3. Allow the mixture to set for at least five minutes. (Slick oily texture should develop.)
4. Remix for one minute and pour into the primer port just prior to pumping.

#### CASE 2 - FOR PUMPS TO BE PRIMED VIA HOPPER:

- A. WITH INTAKE PORTS VERTICAL TO GROUND (gate, rock or swing tube type valves, etc...)
1. Mix Slick-Pak as described in CASE 1.
  2. Center the pumping valve if possible.
  3. Fill water in the hopper as normal for priming (i.e. to the bottom of the intake ports).
  4. Pour the Slick-Pak slurry into the hopper to allow the prime to be charged in the system ahead of the concrete.



#### B. WITH INTAKE PORTS HORIZONTAL TO GROUND (ball valves, flapper valves, etc.)

1. Mix Slick-Pak as described in CASE 1.
2. Fill water in the hopper as normal for priming.
3. Pour Slick-Pak slurry directly into the intake port just prior to pumping.

#### CASE 3 - FOR PRIMING DIRECTLY IN THE HOPPER:

1. Remove the protective outer bag and place the 8-ounce water-soluble inner bag of Slick-Pak in the corner of the hopper.
2. Spray Slick-Pak with water until the bag dissolves and all material is washed down into the bottom of the hopper.
3. Fill water in the hopper as normal for priming (at least 10 to 15 gallons).

### PUMP PRIMING NOTES

Remember, as with any pump priming material, the first few gallons of concrete will have a higher water content than the mix behind, which may affect certain pours, such as slabs and columns. To avoid potential problems discard the first few gallons.

When the concrete contains superplasticizers, we recommend doubling the amount of water used to prepare the Slick-Pak solution for pump priming.

### USE AS A PUMPING AID

Slick-Pak is a lubricant agent for pipe and hose. It is compatible with all conventional concrete materials and can also be used as any standard concrete pumping aid. As a pumping aid, Slick-Pak should be added at a dosage of 1 to 3 bags per load of concrete. Slick-

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Pak may be added directly to the ready-mix concrete and should be mixed for 5 to 7 minutes to ensure that the material is uniformly dispersed. Slick-Pak will have no deleterious effects on the structural integrity of the concrete. Contact your local Fritz-Pak distributor with any questions concerning the usage of this product. It is recommended that testing be done to determine the suitability of Slick-Pak to your particular application.

### **PACKAGING**

- 8-oz (227-g) water soluble bag, 60 bags per case, 42 cases per pallet (item #97134)

### **FAQ**

- Q. How does Slick-Pak work?
- A. It contains water thickeners and lubricating agents. As it goes through the pipes and hoses it leaves a coat of water and lubricating agents and effectively wets all surfaces. As concrete comes behind the Slick-Pak it does not lose water and the lubrication allows it to slip through the pipe.
- Q. What is the difference between Slick-Pak and Slick-Pak II?
- A. Both products have water thickeners and lubricating agents. Slick-Pak has a higher proportion of lubricating agents, thus it is better used as a pump primer. Slick-Pak II has a higher proportion of thickeners, so is better suited as a pump aid, and is also an excellent pump primer.
- Q. Does Slick-Pak have fluid loss properties?
- A. Yes. The thickeners used in Slick-Pak work as fluid loss additives in the concrete.
- Q. If I have a long run of hose or pipe, should I increase the Slick-Pak concentration to make it more effective?
- A. No. A too-high concentration may thicken the concrete excessively and produce a plug in the line. It is better to increase the volume of Slick-Pak used to insure complete coverage and wetting of the line.
- Q. What is the best way to prime horizontal lines?
- A. Slick-Pak will tend to run on the lower part of the line, so we recommend using a rubber ball in front of the priming solution to avoid only wetting the bottom of the line.
- Q. Why do I get plugs when priming for concrete containing superplasticizers?
- A. Slick-Pak requires water to hydrate. When Slick-Pak is made with too little water it will absorb water from the concrete in order to

hydrate. Concrete with superplasticizers tends to have a low water content, so if the Slick-Pak absorbs any water from the plasticized concrete, it will have a tendency to plug. For priming concrete with superplasticizers, we recommend increasing the amount of water used to prepare the priming solution.

- Q. If I do not have a bucket available, can I prepare the priming solution in the hopper?
- A. Yes. Most operators do it that way. Be sure that the bag dissolves completely by directing the water stream over it.
- Q. How long in advance do I need to prepare my priming solution?
- A. You need at least 5-10 minutes for the product to dissolve. Once it dissolves, it will stay stable for several hours. So you can prepare your priming solution way before the concrete arrives.
- Q. Will Slick-Pak build-up in the pipes and hoses of the pump?
- A. No.
- Q. Can Slick-Pak be added directly into the Ready Mix truck?
- A. Yes. It will make the concrete more pumpable.
- Q. Does Slick-Pak contain bentonite clay?
- A. No. Neither bentonite nor any other type of clay.

### **PRECAUTIONS**

All Fritz-Pak Concrete Admixtures should be stored in a dry location, protected from breakage, deterioration and contamination. They are not subject to damage from freezing temperatures.

### **WARNING**

Do not use less than the recommended amounts of water to mix Slick-Pak.

### **WARRANTY**

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning uses or applications are only the opinion of Fritz-Pak Corporation and users should make their own tests to determine the suitability of these products for their own particular purposes. Because of numerous factors affecting results, Fritz-Pak Corporation makes no warranty of any kind, expressed or implied, including those of merchantability and fitness for purpose. Statements herein, therefore, should not be construed as representations or warranties. The responsibility of Fritz-Pak Corporation for claims arising out of breach of warranty, negligence, strict liability, or otherwise are limited to the purchase price of the materials.

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