

# INSTRUCTIONS

## AquaBond® PFK-377

Expanding Polyurethane Foam

## Crack Injection Kit for Leaking Concrete Swimming Pools

Kit includes 2-Part Surface Seal paste, Expanding Polyurethane Foam, Injection Ports, Port Plugs, Water Bottle and Flush Hose, Rubber Fittings, Mixing Sticks, Putty Knife, Gloves, Detailed Instructions

### You will need:

- AquaBond PFK-377 Crack Injection kit
- Caulking gun
- Quart or more of fresh water
- Tarp and large trash bag
- Clean dry rags and paper towels
- Scrap cardboard for mixing Surface Seal
- Hammer
- Chisel

This process stops leaks by filling all voids and cracks completely through to the concrete structure.

### Please follow these instructions carefully:

These instructions will guide you through the steps for repairing leaks that have developed in concrete swimming pools, using AquaBond's PFK-377 low-pressure polyurethane foam injection kit.

### CURE TIMES AND WORKING TEMPERATURES:

- **Do not perform this repair below 40° F.**

The recommended working environment temperature is between 55° and 85°.

- Between 55° and 85° the mixed Surface Seal will begin setting up within 4-7 minutes. The Surface Seal should be ready for injection in about 20-30 minutes.

- Between 40° and 55°, the Surface Seal working time is 8-12 minutes. You should allow at least 30 to 60 minutes of cure time before beginning the injection procedure.

### SAFETY FIRST: WEAR GLOVES, EYE PROTECTION AND A MASK DURING THE ENTIRE PROCESS!

#### 1. PREPARE YOUR WORK AREA

1a. Lay down a protective tarp in order to keep area clean. Have some scrap cardboard for mixing the Surface Seal paste.

#### 2. PREPARE THE CONCRETE

2a. Ensure a clean, sturdy surface 1" to 2" both sides of the crack, by sandblasting, scraping or wire-brushing away all flaking concrete, paint and other coatings. Wipe the surface clean.

2b. The surface may be damp or dry before attaching the injection ports and applying the Surface Seal, but there should be no actual wetness or standing water.

#### 3. INSTALL THE INJECTION PORTS

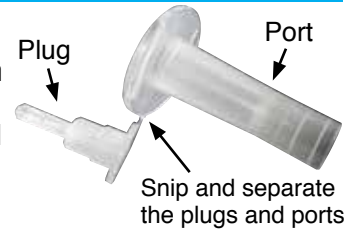
3a. **Using separate wooden sticks for each**, take a portion of each jar of Surface Seal SS-37 (Part A and Part B) and place on the cardboard. **DON'T** mix up the sticks or cross-contaminate the parts A & B in their jars!

3b. **Use a third stick to mix the material** for 1-2 minutes.

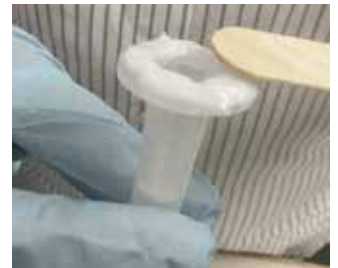
**NOTE:** Mix the Surface Seal in small amounts to avoid waste. The more that is mixed at one time, the faster it will harden, so plan ahead.

*Step 3 continues at top of next column*

3c. Snip off the plugs that come attached to the ports and save them for plugging the ports after injection. (You will remove the ports and Surface Seal after the job is complete)



3.c With the *mixing stick*, pick up some of the mixed Surface Seal paste and liberally "butter" the first plastic port's flange on the front - and apply a thin coat on the back so it will stick to the prepared concrete pool surface. **DON'T clog the hole in the port.**



#### 4. STARTING AT THE LOWEST POINT ADHERE THE PORTS ALONG THE LENGTH OF CRACK.

4a. Adhere the first port to the concrete with the hole aligned directly over the bottom end of the crack.

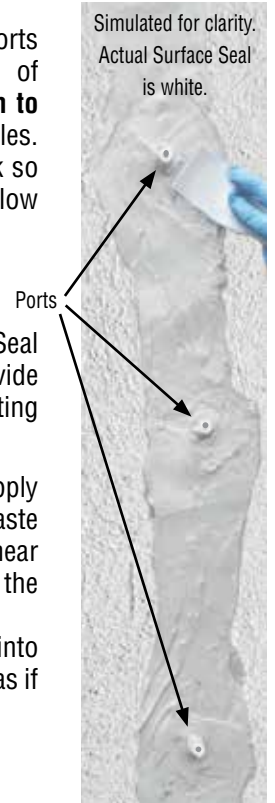
4b. Repeat and install the rest of the ports about 12 inches apart along the length of the crack, **working your way from bottom to top**. Again, be sure not to clog the port holes. Position each port carefully over the crack so the foam injection material will be able to flow in without restriction.

#### 5. COVER THE CRACK WITH SURFACE SEAL PASTE

You should plan to use all of the Surface Seal that came in your kit. The amount we provide is designed to cover a 10' crack with a coating 1/8" thick and 2" wide.

5a. Now, using the included putty knife, apply a 1/8" thick, 2" wide coating of the mixed paste over the entire length of the crack itself. Smear the paste to create a complete seal along the outer surface of the crack.

Again, don't force the Surface Seal paste into the crack! Just cover the crack, 1/8" thick, as if you were masking it with tape.



*Step 5 continues on next page*