

**BASIC INSTRUCTIONS**  
**Aquastop System - Prime-N-Finish & Crack filler**

**BASIC INSTALLATION IS AS SIMPLE AS 1-2-3**

1. Prime with Prime-N-Finish (roller & brush)
2. Mix and Apply Crack Filler "sealing bead" completely filling all cracks & joints including the wall/floor junction. (using a putty knife & brush)
3. Apply finish of Prime-N-Finish (using a roller &/or brush)

This 3-step process assures that every crack, hole, joint and crevice is permanently sealed the first time for the last time!

Installation time will vary from less than one day, to several days depending on the condition and dryness of the basement.

**Additional tools & materials suggested:**

- One or two 3" or 4" wide paint brushes
- One or two heavy duty, long nap paint roller covers
- Three or four matching **high quality** roller covers (prevents the roller from shedding during application)
- Several heavy duty paint rollers with heavy steel handles
- At least one quart of approved solvent, xylene or acetone, and rags for clean-up  
(ALWAYS ALLOW PLENTY OF FLOW-THROUGH CROSS VENTILATION WHEN USING SOLVENTS IN AN ENCLOSED SPACE AND/OR USE CARBON FILTER MASK.)
- Large fan or blower for proper flow-through outdoor ventilation (*place in open basement window*)
- Duct tape for straight, clean line masking
- One or more roller pans
- Two 1 cup measuring cups
- "For mixing use the clean plastic pail supplied with the product, or as an option, a 1 gallon Zip Lock easy fill plastic bag may be used
- One mixing tool ( a plastic spatula works well)
- One 1 1/4" plastic putty knife
- 500k BTU weed burner torch for artificial drying
- 1/2" drill with large mixing paddle

**Basic Surface Preparation**

**(See Additional Technical Information for Different Substrate Preparations)**

- Remove all bond breakers, pre-existing coatings, efflorescence and loose material from walls, cracks & joints by sweeping with a broom, a wire brush, scraping, pressure washing or abrasive blasting.
- High spots should be knocked down for a smooth and even finished appearance.
- In new installations, concrete should be fully cured at least 28 days before application.
- Oils, grease, and other bond breaking contaminants should be properly treated
- Concrete floors should be acid etched and neutralized. Proper concrete floor etching procedures must be performed to provide a permanent bond to the floor surface by removing concrete latencies on concrete floors only. Abrasive blasting is always preferable to acid etching whenever possible. These methods not only clean the floor, but remove weak surface paste and "latencies."

Concrete walls do not require this special preparation.

**IMPORTANT NOTE:** It is critical for negative hydrostatic pressure retention ability, that all concrete surfaces are **TOTALLY DRY** during application. In areas of flowing water, the concrete should be so dry that it is almost white in color. A dark color concrete signals too much moisture content.

**Mixing Prime-N-Finish**

Using a heavy-duty 1/2" drill and mixing paddle, mix Prime-N-Finish at slow speed for 30 to 90 seconds or until fully blended. Add Prime-N-Finish Accelerator / Catalyst. Mix at slow speed for 30 to 90 seconds until fully blended.

**STEP #1. Applying Prime-N-Finish to Walls, Cracks and Wall/Floor Joints**

Using a high quality medium nap paint roller, evenly distribute the Prime-N-Finish over all dry areas. Apply material evenly and as quickly as possible. Prime-N-Finish itself will not fill anything other than hairline cracks. Any cracks or imperfections larger than hairline must be subsequently filled with Crack Filler.

### **IMPORTANT NOTES:**

• *Prime-N-Finish will not solidify in your bucket during your application. In some cases, a thin skin may form on the surface and need to be removed. Even after a long delay with the lid off, thinning the material will return it to application ready. See Additional Technical Information for Thinning Instructions.*

• *Be sure to monitor your application rate! Too thick and application may result in surface bubbles due to trapped air being unable to escape through the heavy coating before it cures.*

### **Applying Prime-N-Finish to Floors**

Pour the Prime-N-Finish material in small puddles over the first small area to be covered, quickly spread the liquid puddles with a flat squeegee, then use the long-handled medium nap paint roller to evenly distribute the Prime-N-Finish. Distribute the material evenly and as quickly as possible. Once your initial application is distributed evenly to a flat and smooth surface, there is no need to roll any longer. Repeat this procedure to adjacent small areas until the entire floor has been covered. The surface will cure tack free and ready for light foot traffic in approximately four hours, at normal temperatures, overnight at colder temperatures near or below freezing

The coverage of Prime-N-Finish has been calculated at a rate of 6.68 mils or 240 sq. ft. per gallon.

**Poured concrete walls need only two coats of Prime-N-Finish. Block walls need three coats because they are extremely porous.**

### **Oily Film Causing Coat Separation**

Occasionally an oily film may develop on the surface of cured Prime-N-Finish, depending upon the delay between coats, temperature, and/or humidity during or after first coat application. This may cause the second coat of Prime-N-Finish to separate and not cover the initial coat completely. Normally repeated back rolling of the problem areas will resolve this problem. If repeated rolling or brushing fails to solve the problem, it may be necessary to wipe the first coat of Prime-N-Finish with a solvent such as xylene or acetone before applying a second coat. This will chemically break down the surface film while removing the oily film at the same time.

**To avoid this situation, only prime what you can topcoat the same day.**

### **STEP #2. Mixing and Applying Crack Filler and Thickener**

Using a heavy-duty 1/2" drill and mixing paddle, mix Crack Filler at slow speed for 30 to 90 seconds or until fully blended. Add Thickener at a ratio of not less than 4 parts Crack Filler to 1 part Thickener and not more than 2 parts Crack Filler to 1 part Thickener. ***Once mixed, you have 30 to 45 minutes working time*** before Crack Filler / Thickener will become unworkable.

**IMPORTANT NOTE:** *Mix only what you can apply in 30 minutes or less to ensure a secure bond and eliminate waste.*

**Remember: Before applying Crack Filler or Crack Filler / Thickener, the surface must receive a prime coat of Prime-N-Finish. Prime-N-Finish needs to be applied before applying any extremely thickened mixture to allow for proper liquid penetration and bonding to the substrate surface.**

Fill all primed cracks, joints, holes or damaged areas. At the "cold joint" where the concrete wall meets the floor, you must create a 1-½ inch thick "Sealing Bead". The bead can be applied by extruding it directly from the mortar bag, or by using a 1 1/4" putty knife held at a 45 degree angle. After it is roughly applied, you can use a 2" or 3" paint brush to wipe the mixture down to a smooth finish.

### **STEP #3 Applying The Final Top Coat Of Prime-N-Finish**

The final coat of Prime-N-Finish is applied in exactly the same manner as the first coat. Prime-N-Finish will bond to itself and to the Crack Filler to provide a solid, unified, tough and absolutely waterproof surface. Again, the surface will cure tack free and ready for light foot traffic in approx. four hours at normal temperatures, overnight at cold temperatures near or below freezing.

**ALLOW 7-10 DAYS FULL WORKING STRENGTH BEFORE HEAVY ABUSE SUCH AS HEAVY MACHINERY TRAFFIC OR INSTALLING HEAVY FURNITURE AND FIXTURES.**