



## **DUR-A-WALL HPF WALL SYSTEM**

**IMPORTANT!** Read these instructions carefully several days prior to starting your work. Seek answers to any questions you may have before you begin. DUR-A-FLEX, Inc. maintains a Technical Staff that will be glad to answer your questions and give you advice pertaining to your particular installation.

### **DUR-A-WALL HPF is applied by brush and roller method.**

When recommended spread rates are followed, DUR-A-WALL HPF will produce nominal thickness of 42 mils.

### **SURFACE PREPARATION**

Surface must be clean, dry and free of all oil and grease. Please refer to the master Surface Preparation Guide for more information. No epoxy coatings should be applied unless surface temperature is a minimum of 5 degrees F above dew point. See Dew Point Calculation Chart on our website for detailed instructions.

### **MIXING AREA**

Select a convenient mix area and protect the surface from spillage by covering with a layer of cardboard and/or sheet of plastic. Be generous with the amount of space you allocate for this function. The more comfortably your mixer works, the less likely you are to have a "mix error". Make ready all necessary tools, mix and measure containers, etc. **DO NOT MIX ANY MATERIAL UNTIL READY FOR IMMEDIATE USE.** Once hardener and resin are combined, it must be used immediately.

### **DUR-A-WALL HPF APPLICATION METHOD**

**NOTE** – DUR-A-WALL HPF is for application on drywall *only*. A pre-installation meeting is recommended to determine surface finish. Substrate finish will affect final appearance of wall coating. Drywall must be finished to a minimum level #4 for matte finishes and level #5 for semi-gloss finishes (finishing level definitions are based on GA-214-96, "Recommended Levels of Gypsum Board Finish," and are intended to provide an industry standard for drywall finishing). Coverage will vary depending upon porosity and texture of substrate. Apply masking tape wherever coating is intended to stop.

DUR-A-WALL HP GRIPPER PRIMER is used with the DUR-A-WALL HPF system for priming. DUR-A-GARD NO-SAG epoxy is used for body, grout and seal coats. Two coats of DUR-A-WALL HP TOPCOAT are used as the topcoats. Coverage will vary depending upon porosity and texture of surface.

A. **Priming** – For priming use DUR-A-WALL HP GRIPPER PRIMER. DUR-A-WALL HP GRIPPER PRIMER can be applied to any paint-ready specified surface with a synthetic, nylon, or polyester brush, or a 3/8" nap synthetic roller. The spread rate using a brush or roller is 400 to 450 SF/gal on smooth surfaces and 200 - 275 SF/gal on porous surfaces.

B. **Body Coat** - DUR-A-GARD NO-SAG is available in 1 and 5 gallon containers. The mix ratio is 1 part hardener to 2 parts resin by volume and mixed as follows: Pre-mix DUR-A-GARD NO-SAG hardener and resin separately for 2 - 3 minutes with a 750 RPM Jiffler-type mixer. Next pour the hardener into the mix container; scrape bottom and sides with a mix stick to assure that all material is transferred to the mix bucket. Use the hardener pail to scrape the mix stick and never scrape mix stick on the side of the mix pail. Next, add the resin into the mix container; scrape bottom and sides with a mix stick to assure that all the material is transferred to the mix bucket. Mix for 1½ - 2 minutes. Using a 3/8" (minimum) nap roller, apply at a spread rate of 200 - 250 Sq Ft per gallon. Re-roll area after initial roll to eliminate any drip lines.

C. **Fiberglass Reinforcement** – Hang PGM semi-rigid fiberglass mat (available from DUR-A-FLEX) directly into wet epoxy resin basecoat, (similar to hanging wallpaper). Overlap each strip and trim using a "double cut" method so that the seams are uniform and even. Remove the trimmed material behind the front strip. After placing on the wall, use a broad knife and wallpaper brush to remove air pockets, wrinkles or irregularities. Immediately apply grout coat while DUR-A-GARD NO-SAG body coat is still wet. (see grout coat instructions)

D. **Grout Coat** – The mix ratio is 1 part hardener to 2 parts resin by volume and mixed as follows: Pre-mix DUR-A-GARD NO-SAG hardener and resin separately for 2 - 3 minutes with a 750 RPM Jiffler-type mixer. Next pour the hardener into the mix container; scrape bottom and sides with a mix stick to ensure all material is transferred to the

mix bucket. Use the hardener pail to scrape the mix stick and never scrape mix stick on the side of the mix pail. Next, add the resin into the mix container; scrape bottom and sides with a mix stick to assure that all the material is transferred to the mix bucket. Mix for 1½ - 2 minutes. Using a 3/8" (minimum) nap roller, apply at a spread rate of 80 Sq Ft per gallon. Re-roll area after initial roll to eliminate any drip lines. Allow to cure for a minimum of 10 - 12 hours before sanding off bumps and other imperfections.

**IMPORTANT DUR-A-WALL HP TOPCOAT NOTES:**

- Do not thin
- Box lots to avoid lot-to-lot color variation
- Mix entire batch
- Patches may be noticeable due to application technique

E. **First Top Coat** – DUR-A-WALL HP TOPCOAT is supplied in pre-measured units consisting of a resin and a hardener. Pre-mix the resin for 2 - 3 minutes with ½" 750 RPM Jiffler type mixer and pour it into a mix bucket. Next pour the hardener into the mix container; scrape bottom and sides with a mix stick to assure that all material is transferred to the mix bucket. Use the hardener pail to scrape the mix stick and never scrape mix stick on the side of the mix pail. Using a ½" 750 RPM drill with a 3 inch jiffler blade, mix the resin and hardener for 30 seconds. Using a 3/8" (minimum) nap roller, apply at a spread rate of approximately 400 Sq. Ft. per kit (matte, eggshell) or 340 Sq. Ft. per kit (satin). Allow to cure for 1 - 2 hours before applying second top coat.

F. **Second Top Coat** – Repeat step E. Allow to dry 16 - 24 hours.

**IMPORTANT:** Be sure to pour the hardener into the mixing bucket first when working with the epoxy and vice versa when working with the urethane. Always scrape the sides and bottom of mixing container to assure thorough blending. Do not allow any water on coated surface for 48 hours.

**IMPORTANT!**

*Before using DUR-A-FLEX products, read and understand its accompanying Safety Data Sheet.*

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT **DUR-A-FLEX.COM** FOR THE LATEST VERSION

**CAUTION!** As with all chemical products, individuals may have different reactions to exposure to specific products. This is dependent upon many factors, including the individual's personal characteristics, the size of the installation, the ventilation available, the intensity of the exposure or the length of the exposure. Individuals may experience discomfort during the installation process of one product, but not another.

In some cases this is experienced as a skin irritation and in others it is experienced as an inhalant irritation. Typically, it disappears once the exposure is eliminated. In some cases people can become "sensitized" to a product and experience the discomfort every time there is exposure without Personal Protective Equipment ("PPE").

To protect yourself from various exposures or discomfort during the mixing and application of our products, we recommend covering exposed skin including, using gloves, long sleeves, safety glasses and a respirator such as the 3M 8577 P95 Universal Disposable Carbon Respirator or a cartridge respirator.

Use only as directed. KEEP OUT OF REACH OF CHILDREN.

Do not reseal moisture-contaminated hardener. This will result in carbon dioxide generation or possible violent rupture of container.