

DUR-A-WALL HP PLUS 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 HP PLUS is applied by brush and roller method. When recommended spread rates are followed, DUR-A-WALL HP PLUS will produce nominal thickness of 14 mils (not including primer or block filler).

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 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.

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**

DUR-A-WALL HP PLUS APPLICATION METHOD

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 or DUR-A-WALL BLOCK FILLER is used with the DUR-A-WALL HP PLUS system for priming. DUR-A-GARD NO-SAG is used as the body coat followed by two coats of DUR-A-WALL HP TOPCOAT.

- A. **Priming** – When applying over new concrete or block walls, DUR-A-WALL HP block filler is recommended to fill any pores in the substrate. Maximum block filling qualities are achieved with use of a roller (3/8" nap or longer). DUR-A-WALL HP BLOCK FILLER should be applied full body vertically and cross hatched horizontally to remove all roller ridges and unevenness in the block filler. Brushing should be done with a short stubby brush, working the material well into the pinholes, pores and voids. Material should be applied in horizontal sections with the block mortar lines serving as a guide. Typical spread rates are 150 – 200 SF/gal for masonry block and 200 – 225 SF/gal for poured concrete.

When applying over previously painted or coated concrete or block walls, lightly sand to remove any gloss and apply DUR-A-WALL HP GRIPPER PRIMER 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.

When applying over drywall, 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.

Priming is not typically required when applying over existing epoxy or urethane coatings.

- 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 ensure 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. 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. Allow to cure for a minimum of 10 - 12 hours before sanding off bumps and other imperfections.

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C. 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 3 inch 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). DUR-A-WALL HP TOPCOAT should be applied full body vertically and cross hatched horizontally to remove all roller ridges and unevenness. Allow to cure for 1 hour minimum before applying the second coat.

D. Second Top Coat – Repeat step C. Allow to dry 16 – 24 hours.

IMPORTANT: Always scrape the sides and bottom of mixing container to assure thorough blending. Do not allow any water on coated surface for 48 hours.

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.

Before using any DUR-A-FLEX, Inc. product, be sure the Safety Data Sheet is read and understood.