DUR-A-FLEX
INNOVATION FROM THE FLOOR UP

APPLICATION INSTRUCTIONS

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DUR-A-GARD

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-FLEX Power Mixers are highly recommended for mixing cove base and patching compound. Material for small areas can be mixed with a 1/2" - 3/4" heavy duty, slow speed, electric drill equipped with a DUR-A-FLEX bird-cage mixing attachment and a 5 gallon metal pail.

DUR-A-GARD is applied by "brush, roller and/or squeegee". When recommended spread rates are followed, a single coat of REGULAR or FAST can yield between 8 and 20 mils DFT. A single coat of OPF can yield between 3 and 5 mils DFT.

NOTE: For each application of material and before mixing, mark your batches to ensure you achieve your spread rate targets. This is best accomplished by dividing your target spread rate by the width of the area being coated (or your planned wet edge). Example: If your spread rate is 100 square feet and your area is 20 feet wide you would make a mark every 5 feet (100 divided by 20 = 5).

SURFACE PREPARATION

Surface must be sound, dry and perfectly clean, free of all oil, grease, detergent film, sealers and/or curing compounds. A surface profile of 10 to 15 mils is appropriate for most applications. All paint should be removed unless it is a properly applied, totally de-glossed, high quality epoxy. Upper level rooms, like mechanical rooms, bathrooms, or wet process areas that have space below should receive ELAST-O-COAT seamless fluid applied membrane. Please refer to the DUR-A-FLEX Surface Preparation Guide on our website for detailed instructions. 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 EPOXY UNTIL READY FOR IMMEDIATE USE. Once hardener and resin are combined, it must be used without delay. Working time is dependent on choice of hardener, size of batch, time to place on floor and temperature of floor and product. Apply masking tape to wherever coating is intended to stop. To obtain neat, straight, chip resistant edges at termination points and/or drains, a "keyed edge" must be installed.

JOINT GUIDELINES

Refer to the Joint Guidelines for complete details on our website.

PRIMING

All surfaces must be primed with DUR-A-SHIELD or DUR-A-GLAZE WB as soon as the surface has been prepared.

QUALITY CONTROL

The color of DUR-A-GARD resin may vary slightly from batch to batch. It is recommended that the lot number on the side of the resin pail be checked. If lot numbers are different, box together the different lot numbers to ensure a uniform color for topcoat applications.

1. APPLICATION METHOD

A. Prime surface with appropriate primer and spread rate.

IMPORTANT! Pre-mix DUR-A-GARD Hardener for 1 minute and DUR-A-GARD Resin for 3 minutes using a 450 RPM drill and 5" Jiffler blade before mixing together.

B. Measure out 1/2 gallon DUR-A-GARD Hardener and 1 gallon DUR-A-GARD Resin. When combining, be sure to add the hardener first. Add the resin and scrape out the container. Be careful to pour both hardener and resin into the center of the mixing pail. Mix the blended epoxy with a slow speed power drill with a Jiffler mixing blade for 2-3 minutes. Always scrape the sides and bottom of the mixing bucket to assure thorough blending.

D. Pour a 4 to 6 inch "ribbon" of blended epoxy onto the floor (typically along the far wall or a joint) at the desired spread rate. DUR-A-GARD is typically applied at 100-200 Sq Ft per gallon to yield 8-16 mils DFT per coat with a 1/8-inch or 3/16–inch notched squeegee and then back rolled with a quality non-shed 3/8-inch nap roller.

Cross roll entire area as you go, wearing spiked sandals or golf shoes. Be sure to remove any impurities as you see them. It is much harder to cut or grind them out after the product has cured. Allow to cure.

Non-Skid grit can be broadcast at the rate of 1 lb Per 100-200 Sq Ft if so desired and then back roll into coating. The size of non-skid aggregate is dependent on the thickness of the DUR-A-GARD application.
Successive coats can be applied to achieve the desired thickness.

2. TOPCOAT INSTRUCTIONS

Select appropriate Topcoat and follow its application instructions. (Apply pigmented Armor Top per Product Data Sheet instructions).
For an orange peel finish, apply a coat of DUR-A-GARD OPF at a coverage rate of 350 – 500 Sq Ft per gallon. For an aggressive orange peel texture, apply a coat of CRETE-GARD at a coverage rate of 100 – 200 Sq Ft per gallon.

IMPORTANT: Increasing room temperature to accelerate cure is not recommended, a slight reduction (3°-5°F) from reasonable room temperature may help reduce outgassing. DUR-A-GARD is a high gloss finish; special care should be given to avoid surface contamination. USE SIGNS AND BARRIERS to keep traffic out of the area. Do not allow any water on coated surface for 24-48 hours. **NOTE:** Use DUR-A-SOLVE or Xylene for clean up.

THICKNESS OF COATING APPLIED (1000 MILS = 1 INCH)		COVERAGE PER US GALLON 100% SOLIDS SYSTEM	
	20 MILS	80.0	SQ FT/GAL
1/64 IN. =	16 MILS	102.0	SQ FT/GAL
	10 MILS	160.0	SQ FT/GAL
	8 MILS	200.0	SQ FT/GAL

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.