

DUR-A-GARD 50/50

SURFACE PREPARATION

The substrate must be dry and free of oil, grease, dirt, bituminous and other contaminants. Unsound concrete and laitance should be removed by appropriate mechanical means. Refer to the Surface Preparation Guidelines on our website. 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. Refer to the Mix Station Training video on our website.

PRIMING

All surfaces must be primed with DUR-A-SHIELD II or, DUR-A-GLAZE #4 WB as soon as the surface has been prepared. On oily concrete slabs, SIMONIZ 969 Detergent/Degreaser is recommended. Be sure to apply primer **before** oil has a chance to “wick” up to the top of the slab and migrate across the surface.

QUALITY CONTROL

The color of DUR-A-GARD 50/50 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.

IMPORTANT: This product is not to be used to broadcast into or as a grout coat over aggregate.

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).

APPLICATION METHOD

A. Preparation.

B. Primer application.

C. Pre-mix hardener and resin thoroughly before mixing together.

D. Measure out 1/2 gallon hardener and 1 gallon resin. When combining, be sure to add the hardener to the center of the mixing pail first. Scrape the sides and bottom of the mixing bucket. Scrape the stick on the side of the measuring container, never on the side of the mixing pail. Add the resin to the center of the mixing pail and scrape out the container. Always scrape the stick on the side of the measuring container, never on the side of the mixing pail. Mix the blended epoxy with a slow speed power drill (450 rpm) with a Jiffler mixing blade for 3 minutes.

E. Pour a 4 to 6 inch “ribbon” of blended epoxy onto the floor. DUR-A-GARD 50/50 is applied at 100 Sq Ft per gallon to yield 16 mils DFT per coat with a 3/16” notched squeegee and then back rolled with a quality non-shed 3/8” nap roller. Cross-roll the entire area as you go, wearing spiked sandals. Be sure to remove any impurities as you see them. Allow to cure. Recoat time at 70°F is 8 hours for Regular hardener and 4 hours for Fast hardener.

Various sizes of Aluminum Oxide grit can be broadcast at the rate of 1 lb per 100-200 Sq Ft if so desired and then back roll into coating.

Do not allow any water on coated surface for 24-48 hours. Chemical spillage must be prevented for approximately 7 days.

NOTE: Use DUR-A-SOLVE for clean up.

See TOPCOAT INSTRUCTIONS below.

PERFORMANCE TOPCOAT INSTRUCTIONS

It is recommended to apply POLY-THANE #2 HIGH SOLIDS OR ARMOR-TOP depending on the service requirements of the floor. The appropriate topcoat can be determined on our website.

IMPORTANT: In order to reduce the risk of outgassing when applied to shot blasted concrete, priming is required with DUR-A-SHIELD or DUR-A-GLAZE #4 WB at the recommended application thickness. 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 50/50 is a high gloss finish; special care should be given to avoid surface contamination. USE SIGNS AND BARRIERS to keep traffic out of the

JOINT GUIDELINES

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

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.