

DUR-A-QUARTZ “BM” POOL DECK (INTERIOR ONLY)

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-QUARTZ “BM” Q-28 is applied by “broadcast method”. A double broadcast produces a nominal 1/8” thick finish. A 1/16” single broadcast DUR-A-QUARTZ floor is not recommended.

SURFACE PREPARATION

Surface must be clean, sound, dry and free of all oil, grease, detergent film, sealers and/or curing compounds. 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.

IMPORTANT: POOL DECK APPLICATIONS

All surface areas should be pitched to drain to prevent standing water in all wet areas. Use only the standard slip-resistant texture - the use of OPF or smooth texture is not recommended for pool deck areas. A 4’ x 4’ test patch for customer approval prior to installation is highly recommended.

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).

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 immediately. Apply masking tape 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.

PRIMING

Prime all surfaces with DUR-A-SHIELD or DUR-A-GLAZE #4 WB PRIMER-SEALER as soon as the surface has been prepared. On oily concrete slabs HI-SPEED 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.

1. DOUBLE BROADCAST METHOD

A. Prepare the surface as outlined in the DUR-A-FLEX “Surface Preparation Guide”.

Prime surface with appropriate primer and spread rate.

B. Measure out 1/2-gallon hardener and 1 gallon 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 3 minutes. Always scrape the sides and bottom of the mixing bucket to assure thorough blending.

C. Apply a “flood coat” of blended epoxy at approximately 100 Sq Ft per gallon with a 3/16” V notch squeegee and back roll with a quality non-shed roller.

D. Broadcast DUR-A-QUARTZ Q-28 Aggregate. While wearing spiked shoes walk on the wet epoxy holding a 2-gallon container and broadcast the aggregate until the floor appears dry (about 1/2 lb. per Sq Ft). Be sure to keep moving while throwing the aggregate UP into the air so it falls vertically onto the epoxy. Do not rush, as it may take 15 to 30 seconds for the aggregate to be absorbed by the epoxy. **IMPORTANT:** Do not “seed” the edge that will be joining the next section. Be sure to leave a “WET EDGE” (a 24” strip “unseeded” to permit overlapping when proceeding onto next section). Do not walk on the aggregate with spiked shoes. Be sure to keep any impurities out of the sand such as broom bristles, debris, etc. Allow to cure.

E. Sweep off the excess aggregate using a stiff, clean, dry broom with synthetic bristles.

F. Repeat steps C (mix), D (apply) & E (broadcast) again for 1/8" thickness. Sweep off the excess aggregate again.

TOPCOAT INSTRUCTIONS

DUR-A-GLAZE #4 "Water Clear" should be used for topcoats to lessen the effects of ambering from UV exposure. NOTE: Do not use "Fast" Hardeners for topcoats as they yellow very quickly and could produce pinholes.

- A. Measure out 1/2-gallon hardener and 1 gallon resin. Follow the same pouring and mixing procedures as described in the broadcast coat. Apply the topcoat with a 12" flat squeegee. Move squeegee in a continuous semi-circular motion from left to right to left, etc. Steady pressure on squeegee is necessary to obtain a uniform appearance. Do not advance squeegee too rapidly, each semi-circular swing should advance approximately 4 inches. It takes practice to reverse direction of the squeegee movement at the end of each left to right to left stroke. Remove all puddles and ridges before they are out of reach. Start movement of squeegee in a dry area, move onto wet GLAZE and continue to move squeegee until it reaches a dry edge.
- B. Back roll with a quality short nap, non-shed roller.

TOPCOAT INSTRUCTIONS - ARMOR TOP

- A. Pour 1 gallon of ARMOR TOP hardener into a 2 gallon bucket. Add 1 Quart of ARMOR TOP resin and mix for 30 seconds. Slowly add 1 pint of ARMOR TOP Grit and continue mixing for an additional minute. Pour a small amount into a dip and roll tray that is large enough to accommodate an 18 inch roller.
- B. Dip roller cover into paint tray and roll off excess. Apply two 8-10 foot long paths left to right then right to left. Re-wet roller and continue application. Even out roller lines by using W shaped crosses and/or up & down passes. If not even, re-roll up and down until uniform. A final cross-roll is necessary to even out roller lines.

REGISTRATION FORMS

Every pool deck installation must be registered with a Dur-A-Flex, Inc. Sales representative at the completion of installation and before the pool deck is open for use. These forms can be found in the Technical Catalog in the Master Documents section or on our website.

CLEANING

Warning: Pool decks are predominately wet surfaces that will require daily cleaning with E-Z Clean detergent to aid in the removal of dirt, grime, debris, lotions, soaps and oils. Without a regular maintenance program to remove the accumulation of the above mentioned contaminates, there is an increased risk of slip and fall accidents.

Our local sales representative will provide you with a complimentary one gallon sample of E-Z Clean detergent to assist your housekeeping efforts. For proper cleaning instructions, please refer to our cleaning guidelines in the Contractor Center of our website. Or in our Technical Catalog in the Master Documents section. A floor cleaning training video is also available on our website.

Additional quantities of E-Z Clean detergent may be purchased by calling Dur-A-Flex at 1-800-253-3539.

Occasionally remix ARMOR TOP in tray or bucket with a stick to prevent settling of the grit/powder. Dry time is dependent on humidity as well as temperature

IMPORTANT: Be sure to pour the hardener into the mixing bucket first, then the "resin". Always scrape the sides and bottom of mixing container to assure thorough blending. USE SIGNS AND BARRIERS to keep traffic out of the area. Do not allow any water on coated surface for 24-48 hours. Chemical spillage must be prevented for approximately 5 days. NOTE: Use DUR-A-SOLVE for clean up.

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.

JOINT GUIDELINES

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

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