

## **ACCELERA® RXC**

**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.

### **SYSTEM OVERVIEW**

ACCELERA® RXC is an ultra-high solids multi-component system featuring ergonomic and sound dampening capabilities. This system includes a **Dur-A-Glaze #4** primer, an **ACCELERA® RX** self-level body coat with a single broadcast of decorative vinyl flakes, and is finished with a clear chemically resistant **ACCELERA® EXT** topcoat for a nominal thickness of 3/16".

NOTE: DO NOT apply at an ambient or surface temperature below 60°F or above 80°F.

### **STORAGE CONDITIONS**

Store all components in a cool, dry area with plenty of ventilation. Do not allow resins to freeze. Solidified (crystallized) hardener must be heated above 100°F to properly melt crystals. The shelf life for products to make this system is 12 months for resins and aggregates, 6 months for hardeners.

### **SURFACE PREPARATION / JOINT GUIDELINES**

Use a shot blaster or surface grinder to achieve a CSP of 3-4 (if installing over non-porous substrate use a minimum CSP of 3). Vacuum all dust and debris, and ensure the surface is clean, dry, and free of all contaminants before you begin applying the system. Fill all joints - mark the moving joints and honor them post installation. Refer to the master Surface Preparation and Joint Guidelines Guide on our website for more information.

### **MIXING AREA**

Select a convenient mix area as close as possible to the application area and protect the surface from spills by covering with a layer of plastic followed by a layer of cardboard. Be generous with the amount of space allocated for this function. Do not mix this product in direct sunlight or when ambient temperatures exceed 80°F. Exposure to high temperatures will greatly reduce the working time of this product. **DO NOT MIX UNTIL READY FOR IMMEDIATE USE.**

### **APPLICATION**

Nominal finished system thickness of 3/16" and is applied as:

- 1. Primer:** Dur-A-Glaze #4 (2 parts 4B resin:1 parts 4A hardener ~200 sq ft per mixed gal)
- 2. Body Coat:** Accelera® RX (3 part kit - 1 resin/1 hardener/1 aggregate ~ 30sq ft per mixed kit)
- 3. Decorative (vinyl flake) Broadcast:** (~0.25 lbs per sq ft)
- 4. Grout Coat / Topcoat:** Accelera® EXT (2 part kit - 1 resin/1 hardener ~65-75 sq ft per mixed large kit)
- 5. Topcoat:** Accelera® EXT (2nd Coat optional - 2 part kit - 1 resin/ 1 hardener ~200 sq ft per mixed large kit)

### **PRIMING**

**LABOR REQUIREMENTS** - *Best practices are to assign one person to each job per 1,000 sq ft – do not multi-task:*

- 1 person mixing
- 1 person running mixed pails
- 1 person squeegee
- 1 person rolling

NOTE: Additional manpower will be required for complex installations requiring cut-in work or applications around drains.

### **EQUIPMENT LIST**

- 5 gal mixing pails
- 750 RPM High Speed Drill
- 3" Jiffler Mixing Blade
- 1/8" V-Notched Squeegee
- 3/8" inch nap roller
- Spiked Shoes
- Rubber/Nitrile Gloves
- Safety Glasses

Pour 1 part Dur-A-Glaze #4 4A Regular Hardener into a measuring pail and 2 parts Dur-A-Glaze #4 4B Resin into a separate measuring pail. Add the hardener to the mixing pail first, taking care to scrape all material into the mixing bucket. Be sure to use the measuring pail to scrape the mix stick and never scrape the mix stick on the side of the mixing pail. Repeat these steps when adding resin to the mix pail. Mix for 2 minutes using a jiffler-type mixer at 750 rpm.

Apply a ribbon of mixed Dur-A-Glaze #4 material starting at one side of the installation area and work towards an exit. Wearing spiked shoes, use a 1/8" v-notched squeegee, evenly spread the material across the surface area at approximately 200 sq ft per mixed gallon (8 mils), joining batches together along a wet edge. After spreading the primer, follow by back-rolling and cross-rolling with a 3/8" nap roller. (Be sure to wet out roller with material before cross-rolling and back-rolling)

Allow the primer to cure for 8-12 hours depending on environmental conditions.

## **BODY COAT / BROADCAST**

**LABOR REQUIREMENTS** - *Best practices are to assign one person to each job per 1,000 sq ft – do not multi-task:*

- 2-3 people mixing
- 1 person running mixed pails
- 1 person broadcasting aggregate
- 1 person pin rake
- 1 person pin rolling

NOTE: Additional manpower will be required for complex installations requiring cut-in work or applications around drains.

### **EQUIPMENT LIST**

- 5 gal metal mixing pails
- 750 RPM High-Torque Drill
- 5" Jiffler Mixing Blade
- Adjustable Pin Rake (set to 3/16")
- Flat Hand Trowel
- Metal Pin Roller
- 3M 8511, N95 Particulate Respirator
- Spiked Shoes
- Rubber/Nitrile Gloves
- Safety Glasses

Pour 1 ACCELERA® RX Resin into a mixing pail and add 1 ACCELERA® RX Hardener making sure to scrape the inside of the pails to use as much of the material as possible. Use the measuring pail to scrape the mix stick and never scrape mix stick on the side of the mix pail. Mix for 30 seconds using a 5" jiffler blade at 750 rpm. Continue mixing and slowly add one kit bag of aggregate to the mix pail and mix until smooth and no visible clumps remain (maximum 2 minutes).

**DO NOT MIX MORE THAN ONE KIT AT A TIME.**

Apply a ribbon of mixed ACCELERA® RX material starting at one side of the installation area and work towards an exit. Once the mixed kit is poured, turn the mix pail upside down and leave on the floor at the end point of your pour for approx 1-2 min to drain as much material as possible. **DO NOT SCRAPE THE MIX PAIL.** Using an adjustable pin rake (adjusted to 3/16" inch), evenly spread the material across the surface area at approximately 30 sq ft per batch joining batches together along a wet edge. For edges, small spaces,

slopes, and drains - spread material with a hand trowel at 3/16". After spreading the material, follow by back-rolling and cross-rolling with a pin roller.

After back-rolling and cross-rolling, wait approximately 20 minutes (@ 70°F / 50% RH) for the material to begin to "set" (ensure spike marks are still healing) and then begin broadcasting decorative aggregate into the ACCELERA® RX body coat.

**The time window at which ACCELERA® RX receives a broadcast is extremely critical:**

TEMPERATURE	ELAPSED TIME BEFORE BROADCAST
60°F	~30 mins
70°F	~20 mins
80°F	~10 mins

**NOTE:** Broadcasting too early may result in shiny spots / sinking or uneven chips. Broadcasting too late and the aggregate may not penetrate into the matrix surface.

While wearing spiked shoes, throw the aggregate UP into the air while consistently moving so it "rains down" into the body coat (~0.25 lb per sq ft). After ~5 minutes, visually inspect the broadcast area and throw more chip to touch up any "shiny" patches. Allow the body coat to cure for 8-12 hours depending on temperature / relative humidity.

## **GROUT COAT / FINAL TOPCOAT**

**LABOR REQUIREMENTS** - *Best practices are to assign one person to each job per 1,000 sq ft – do not multi-task:*

- 1 person mixing
- 1 person running mixed pails
- 1 person squeegee
- 1 person rolling

NOTE: Additional manpower will be required for complex installations requiring cut-in work or applications around drains.

### **EQUIPMENT LIST**

- Flat Squeegee
- 3M 8577 P95 Universal Disposable Carbon Respirator or a cartridge respirator
- 750 RPM Drill
- 3" Jiffler Blade
- Spiked Shoes
- Rubber / Nitrile Gloves
- Safety Glasses

Proper planning is essential for satisfactory appearance of the finished floor. Lay out installation in sections to allow full width to be finished in 5 minutes or less (@70°F / 50% RH).

NOTE: Cooler temperatures / lower relative humidity will increase cure time, higher temperatures / humidity will decrease working time and cure time – plan accordingly.

NOTE: Normal recoat window is 16 hours (@70°F / 50% RH). If recoating between 16 and 24 hours ACCELERA EXT can be sanded and recoated. Beyond 24 hours use ACCELERA EXT with ACCELERA BP additive. (Refer to ACCELERA BP Product Data Sheet for more details.

NOTE: Recoat window starts from the time the products are mixed.

Typical Large kit spread rates:  
Grout Coat: 65 – 75 sq ft per kit  
Topcoat: 200 sq ft per kit

Note: Small kit = 1/3 Large, Jumbo kit = 2X Large  
Note: Application less than 65 sq ft per kit may result in bubbles.

**MIX AND APPLY ONE BATCH AT A TIME - DO NOT MIX HARDENER AND RESIN TOGETHER UNTIL BATCH IS READY FOR IMMEDIATE APPLICATION.**

Pour the hardener into the resin container; scrape bottom and sides with a mix stick to assure that all material is transferred to the resin bucket. Use the hardener pail to scrape the mix stick and never scrape mix stick on the side of the mix pail. Using a 750 RPM drill with a 3 inch jiffler blade, mix the resin and hardener for 30 seconds. Pour the entire batch onto the floor in a 4 to 6” ribbon. Use a flat squeegee over broadcast surfaces to spread the material evenly. Cross roll the material pushing a 3/8” nap roller in the same direction immediately after the squeegee to ensure there are no puddles. All rolling should be completed within 5 minutes.

Allow to cure for 2-4 hours (@ 70°F / 50% RH).

**IMPORTANT REMINDER:  
USE PERSONAL PROTECTION EQUIPMENT AND VENTILATION!**



Use the required PPE for installing Accelera: Carbon Dust Mask or respirator, safety glasses, long sleeve shirt, long pants, gloves, and work boots. Fresh, moving air is essential to a safe working environment when applying resinous flooring products.

**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 and pants, safety glasses and a respirator such as the 3M 8577 P95 Universal Disposable Carbon Respirator or a cartridge respirator. Dur-A-Flex employees are required to wear proper PPE when handling our products.

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.