

SOFTOP™ RXC

The following information is to be used as a guideline for the installation of the Softop RXC flooring system. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 3-4

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT	PACKAGING
0 g/L	Primer	Resufloor Glaze	2:1	200 sq ft/gal	3, 15 or 150 gals
0 g/L 0	Basecoat	Softop RX 6755 Micro or RX Blend	A, B & C unit To Excess	30 sq ft/unit 250 lbs/1000 sq ft	3.5 gal/unit 50 lbs
< 50 g/L	Grout	Accelera EXT	Small & Large Units	65-75 sq ft/Lg	Sm. ~.25 gal, Lg. ~.75 gal
< 50 g/L	Topcoat (optional)	Accelera EXT	Small & Large Units	200 sq ft/Lg	Sm ~.25 gal, Lg ~.75 gal

For additional topcoat options, contact your Sherwin-Williams Representative.

IMPORTANT!

Read these instructions carefully several days prior to starting your work. Seek answers to any questions you may have before you begin. Sherwin-Williams HPF maintains a technical staff that will be glad to answer your questions and give you advice pertaining to your particular installation.

SYSTEM OVERVIEW

Softop RXC is an ultra-high solids multi-component system featuring ergonomic and sound dampening capabilities. This system includes a Resufloor Glaze primer, a Softop 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: Resufloor Glaze (2 parts 4B resin:1 part 4A hardener ~200 square feet per mixed gal)
2. Body Coat: Softop RX (3 part kit - 1 resin/1 hardener/1 aggregate ~ 30 square feet per mixed kit)
3. Decorative (vinyl flake) Broadcast: (~0.25 lbs per square foot)
4. Grout Coat/Topcoat: Accelera EXT (2 part kit - 1 resin/1 hardener ~65-75 square feet per mixed large kit)
5. Topcoat: Accelera EXT (2nd Coat optional - 2 part kit - 1 resin/1 hardener ~200 square feet per mixed large kit)

PRIMING

LABOR REQUIREMENTS - Best practices are to assign one person to each job per 1,000 square feet – 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" nap roller
- Spiked shoes
- Rubber/nitrile gloves
- Safety glasses

Pour 1 part Resulfor Glaze Regular Hardener into a measuring pail and 2 parts Resulfor Glaze 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 Resulfor Glaze 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 square feet 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 square feet – 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 Softop RX Resin into a mixing pail and add 1 Softop 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 the 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 Softop 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 approximately 1-2 minutes to drain as much material as possible. **DO NOT SCRAPE THE MIX PAIL.** Using an adjustable pin rake (adjusted to 3/16"), evenly spread the material across the surface area at approximately 30 square feet 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 Softop RX body coat.

The time window at which Softop 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 square feet). 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 square feet – 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" Jiffiler 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.

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 the mix stick on the side of the mix pail. Using a 750 RPM drill with a 3 inch Jiffiler 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).

Typical large kit spread rates:

Grout Coat: 65 – 75 square feet per kit

Topcoat: 200 square feet per kit

Note: Small kit = 1/3 large; Jumbo kit = 2X large

Note: Application less than 65 square feet per kit may result in bubbles.

IMPORTANT!

Before using Sherwin-Williams High Performance Flooring products, read and understand their accompanying Safety Data Sheet.

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT [industrial.sherwin-williams.com/na/us/en/resin-flooring](https://www.industrial.sherwin-williams.com/na/us/en/resin-flooring) 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, 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.

Do not reseal moisture-contaminated hardener. This will result in carbon dioxide generation or possible violent rupture of container.

THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams High Performance Flooring delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe.

United States & Canada

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