SOFTOP™ SL DECORATIVE ELASTOMERIC FLOORING

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

APPLICATION INFORMATION – SURFACE PREP PROFILE CSP 2-3

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE	PACKAGING
<0 g/L	Primer	Poly-Crete TF Plus	Pre-measured kit	90 sq ft/unit	0.08 gal/unit
N/A	Primer Broadcast	5310-8 Dry Silica Sand	N/A	200 lbs/1,000 sq ft	50 lb bag
<50 g/L	Intermediate Coat	SofTop SLR Flex	Pre-measured kit	13 sq ft/gal	2.6 gals
<100 g/L	Topcoat	Resutile HTS 100	Pre-measured kit	500 sq ft/gal	2.25 or 5.5 gals

GENERAL PRODUCT INFORMATION

Integral Cove Base: A seamless, smooth transition can be created between the flooring and wall using Poly-Crete WR. Call technical support for assistance or see bulletin on Cove Installation.

Full chemical resistance is achieved after a seven-day cure. Consult the Sherwin-Williams Technical Service Department for specific chemical resistance.

Sherwin-Williams materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the SofTop SL System. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

LIMITATIONS

The substrate must be structurally sound and cleaned of any foreign matter that will inhibit adhesion. Do not apply in temperatures below 40°F or above 90°F or when relative humidity is greater than 85%. Do not apply to non-reinforced sand cement screeds; asphaltic or bitumen substrates; glazed tile; nonporous brick; tile; magnesite; copper; aluminum; softwood; or existing coatings of epoxy, polyester or urethane composition, elastomeric membranes, or fiber reinforced polyester composites. Do not apply to wet concrete or to polymer-modified patches with a moisture content greater than 10%. Do not apply to concrete if temperature is within 5°F of dew point.

Protect substrate during application from condensation from any overhead leaks.

- Do not apply to overhead surfaces.
- Do not hand mix.
- Do not apply to cracked or unsound substrates.

SURFACE PREPARATION

Sherwin-Williams SofTop SL System is normally applied to concrete but may be successfully applied to mild steel and wood block. Surface contaminants and/or weak spots must be removed, and a clean, hard surface must be exposed to ensure proper bonding to the substrate.

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile equal to CSP 2-3. Refer to Form G-1. Consult the Sherwin-Williams Technical Service Department if oil or grease is present. After initial preparation, inspect the concrete for bug holes, voids, fins and other imperfections. Protrusions shall be ground smooth, while voids shall be filled with a Sherwin-Williams system filler. For recommendations, consult the Sherwin-Williams Technical Service Department.

APPLICATION TEMPERATURE

Throughout the application process, substrate temperature should be 40°F-90°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrates should occur while temperature is falling to lessen off-gassing. The material should not be applied in direct sunlight, if possible.

COLD TEMPERATURES BELOW 40°F

Keep materials stored and mix them in 60°F-70°F conditions. Protect application area with cover or tent. Flame heat concrete immediately ahead of layers. Use hot air blowers to raise temperature under cover or tent. Maintain air temperatures for at least four-six hours after laying.

HOT TEMPERATURES ABOVE 90°F

Keep materials stored and mix them in an air-conditioned environment of 60°F-70°F. Do not lay the products in direct sunlight. Shade with a tarpaulin or similar material. Work early and/or late and preferably at night if daytime temperatures are extreme.

EXPANSION JOINTS

Expansion joints should be provided in the substrates at the intersection of dissimilar materials. Isolate areas subject to thermal stresses, vibrational movements or around load-bearing columns and at vessel sealing rings. All cracks should be routed out and filled with Poly-Crete TF Plus prior to floor application. Large cracks may require treatment at expansion joints with an elastomeric sealant.

PRIMER – POLY-CRETE® TF PLUS

1. **POUR RESIN** into the 2 gallon mix container. Scrape the sides of the resin container with a paint stick making sure no amount of residue remains. Wipe excessive material from paint stick on rim of resin bucket – **DO NOT** wipe excessive material from stick on the rim of the mixing bucket.
2. **ADD HARDENER AND MIX** with a high speed drill with a 5-inch Jiffler blade. Thoroughly mix resin and hardener for 30 seconds.
3. **TO AVOID ANY POSSIBLE CLUMPING**, add **POLY-CRETE TF PLUS** Aggregate while mixing the resin and hardener. Thoroughly mix resin, hardener and aggregate for 60 seconds. Make sure there are no clumps in the mixed materials.
4. **POUR THE ENTIRE MIXED MATERIAL** onto the floor in 4-inch ribbons. Wet out rollers in ribbon puddle prior to using.
5. **SPREAD** with a 1/8-inch notched squeegee east to west and apply the material uniformly at 90 SF @ 8 mils thickness. Squeegee in a continuous semi-circular motion.
6. **BACK-ROLL** north to south to level the material. Cross roll east to west to eliminate any roller lines overlapping 4-inches in between each cross roll.
7. **BROADCAST SILICA SAND** (20/40 mesh) to saturation (about 300 lbs per 1,000 square feet).
8. **ALLOW TO CURE FOR A MINIMUM OF THREE-FIVE HOURS**, sweep off excess sand with a clean, stiff-bristled broom. Clean sand can be saved for future use. All imperfections such as high spots should be smoothed before the application of the next coat.

NOTE: Do not dip and roll. Do not roll out of a puddle or ribbon. Must apply using squeegee or trowel.

INTERMEDIATE COAT – SOFTOP COMFORT SLR FLEX

1. SofTop Comfort SLR Flex is supplied in prepacked units. **BEFORE COMBINING PARTS A AND B, GENTLY STIR EACH COMPONENT IN ITS OWN CONTAINER** to homogenize the liquid. **PRE-CONDITION BOTH A AND B COMPONENTS** to a temperature of approximately 59°F (15°C) to 68°F (20°C) before proceeding.

2. **POUR THE ENTIRE CONTENTS OF PART B INTO THE CONTAINER OF PART A.** Mix with a low-speed (ca. 300 rpm) electric drill and paddle for at least three minutes until homogeneous. Scrape the sides and the bottom of the container several times during mixing to ensure complete mixing. Keep the mixing head submerged to avoid entrapping air.

COLORS: SofTop Comfort SLR Flex may be tinted with either GIS or Sherwin-Williams High Performance Flooring Universal Colorants, using 1 pint per 2.60 gallon unit (one kit).

3. **APPLY** using a squeegee, followed by a spike roller.

TOPCOAT – RESUTILE™ HTS 100

1. **PREMIX PART A FOR THREE MINUTES USING A JIFFY® MIXER BLADE** with slow speed drill. POTLIFE: Mix only enough material that can be used in a two-hour period. **NOTE:** Once opened, this material cannot be resealed for later use.

COLORS: Premix colorant before adding to Resutile HTS 100 to ensure uniform color. Add Sherwin-Williams High Performance Flooring Universal Colorant to Resutile HTS 100 Part A and mix using a Jiffy® mixer blade and slow speed drill. Use colorants at a rate of one unit per 1-gallon unit of Resutile HTS 100.

2. **POUR PART C INTO PART A** while mixing. **CONTINUE TO MIX AND ADD PART B. MIX FOR THREE MINUTES** using a Jiffy® mixer blade and slow-speed drill. Pour into application tray.

3. **APPLY RESUTILE HTS 100** at the rate of 500 square feet/gal with a 3/8" nap roller. For proper appearance and development of physical properties, it is crucial that material is not applied above or below this rate. Dip the roller in the coating and lightly roll out excess in the application tray. Apply two 8- to 10-foot-long paths on the concrete, making one stroke left to right and one right to left. Rewet the roller and apply two more paths adjacent to the first pair. Rewet the roller and apply a third pair adjacent to the second.

SPREAD THE MATERIAL evenly with v-shaped cross passes.

MAKE SURE THE FLOOR HAS JUST ENOUGH COATING TO COVER EVENLY. Excess material could cause the floor to blister, especially in high humidity. Insufficient material will cause the floor to look non-uniform.

LEVEL THE AREA with straight passes that cross the initial material paths. These final strokes will reduce roller marks. If the appearance is not satisfactory, reroll the area.

REMIX THE MATERIAL in the tray occasionally (with the roller) to prevent settling of the Part C (filler).

NOTE: When multiple applicators are used to apply material, inconsistencies between areas may result. To ensure a more uniform finish, an individual outfitted with spiked shoes may finish by pushing or pulling a roller across all applicator areas.

4. **ALLOW COATING TO DRY 24 HOURS** at 75°F and 50% relative humidity before opening to light traffic. Allow more time at low temperatures, low humidity or for heavier traffic. Full coating properties take seven to 14 days to develop.

CLEANUP

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

SAFETY PRECAUTIONS

Refer to all Safety Data Sheets before use. Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

MATERIAL STORAGE

Store materials in a temperature-controlled environment of 40-90°F and out of direct sunlight. Keep resins, hardeners and solvents separated from each other and away from sources of ignition.

MAINTENANCE

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Sherwin-Williams Technical Service Department.

DISCLAIMER

The information and recommendations set forth in this
document are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication.

Consult www.sherwin-williams.com/resin-flooring to obtain the most recent product data information and application instructions.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams.

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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.

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