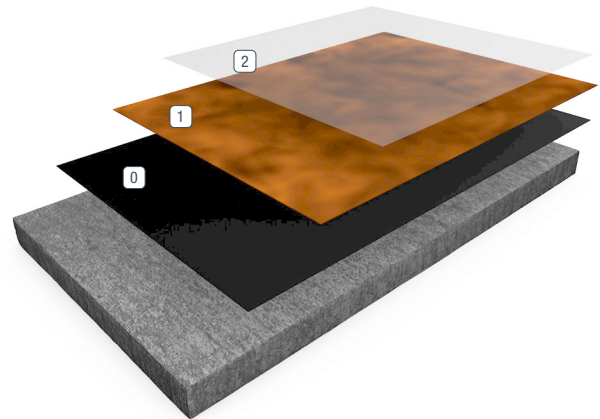


## RESULFLOR™ TOPCOAT METALLIC

**Sherwin-Williams Resulflor Topcoat Metallic** combines select resins with metallic pigments to create durable floors that provide decorative value. The metallic pigments are nano-sized particles that, when mixed with the clear resins, disperse into unique patterns and provide an iridescent and pearlescent look that can be unique to each installation.



0 Primer

1 Body Coat

2 Topcoat

### BENEFITS

- Acceptable for use in USDA inspected facilities
- Seamless, easy-to-clean and maintain
- Durable, wear and slip resistant
- Chemical and stain resistant
- Customizable color
- Natural stone appearance
- Cost effective versus carpet or tile
- Field blended
- LEED® Points IEQ Credit 4.2, meets SCAQMD
- LEED® v4 compliant

### USES

- Hotels and lobbies
- Showrooms and dance halls
- Corridors
- Retail and restaurants
- Healthcare facilities and labs
- Restrooms and locker rooms
- Arenas and sport complexes

### TYPICAL PHYSICAL PROPERTIES

<b>Hardness @ 24 hours, Shore D</b> ASTM D 2240	70/65
<b>Tensile Strength</b> ASTM D 638	6,000 psi
<b>Abrasion Resistance</b> ASTM D 4060, CS-17 Wheel, 1,000 cycles	18.5 mgs lost
<b>Adhesion</b> ACI 503R	300 psi concrete failure Withstands 16 ft lbs
<b>Impact Resistance</b> MIL-D-3134, Sec.4.7.3	Withstands 16 ft lbs without cracking, delamination or chipping
<b>Flammability</b> ASTM D 2240 Adhesion ACI 503R	Self-Extinguishing over concrete
<b>Resistance to Elevated Temperatures MIL-D-3134J</b>	No slip or flow at required temperature of 158°F

## INSTALLATION

Sherwin-Williams High Performance Flooring materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the **ResufloP Topcoat Metallic**. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

### SURFACE PREPARATION – GENERAL

Sherwin-Williams systems can be applied to a variety of substrates if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Sherwin-Williams Technical Service Department prior to starting the project. Refer to Surface Preparation Form G-1.

### SURFACE PREPARATION – CONCRETE

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile depending upon system selected. Refer to Form G-1.

**ResufloP Topcoat Metallic is a smooth system – substrate imperfections must be corrected or they can reflect through the system.** After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections. Protrusions shall be ground smooth while voids shall be filled with a system compatible filler. For recommendations, consult the Sherwin-Williams Technical Service Department.

## TEMPERATURE

Throughout the application process, substrate temperature should be 50-90°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrate should occur while temperature is falling to lessen off gassing. The material should not be applied in direct sunlight, if possible. Protect material from freezing prior to installation.

## APPLICATION INFORMATION – SURFACE PREP PROFILE CSP 3 IF MOISTURE REMEDIATION IS REQUIRED, REFER TO CSP-4

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
If moisture remediation is required - See ResufloP Aqua MCS™ System Bulletin					
<100 g/L	Primer / Base Coat	3746 (Pigmented)	2:1	160 sq. ft./gal	3 or 15 gals
<100 g/L	Body Coat	3746 (Clear) Metallic Pigment***	2:1 4-8 fluid oz.	80-100 sq. ft. 4-8 fluid oz. / mixed gallon	3 or 15 gals
<50 g/L	Topcoat	4686**	1:1	275-400 sq. ft./gal	2 or 10 gals

\*\*For additional non-skid, add 5240 220 mesh Aluminum Oxide or 5190 Non-Skid Additive.

\*\*\*The pigment load of 4-8 oz/gal can vary depending on color.

For additional topcoat options, consult the Sherwin-Williams Topcoat Selection Guide or contact your Sherwin-Williams representative.

## PRIMER / BASE COAT - PIGMENTED

### MIXING AND APPLICATION

1. Premix 3746A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to introduce air into the material.
2. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 3746 using a flat trowel or flat squeegee and backroll with a 3/8" nap roller at a spread rate of 160 sq. ft. per gallon, evenly, with no puddles making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.
4. Allow to cure for a minimum of 12 hours but no more than 24 hours before applying body coat.

**NOTE:** For best results use black or white to highlight the metallic pigments.

## BODY COAT - CLEAR

### MIXING AND APPLICATION

1. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
2. Add metallic pigment @ 4-8 fluid ounces per mixed gallon  
**NOTE:** Product can be very translucent when using lighter pigments.
3. Apply 3746 via notched trowel/squeegee or roller at 80-100 feet per gallon. Multiple mixes/colors are typically applied at the same time; in parallel lines, on top or into each other to create a random or mottled effect. Various techniques and/or tools can be used to further impact the finished color and create a unique look.
4. Allow to cure for a minimum of 12 hrs., lightly abrade the surface with 100-120 grit paper prior to applying the 4686 seal coat.

## TOPCOAT

### MIXING AND APPLICATION

DO NOT PREMIX PART B HARDENER

1. Premix 4686A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to introduce air into the material.
2. Add 1 part 4686A (resin) to 1 part 4686B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 4686 using a 1/4" nap roller at a spread rate of 275-400 square feet per gallon, evenly, with no puddles making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.
4. Allow to cure 12 hours minimum before opening to traffic. In cool and/or high humidity conditions, a surface film may form which can be washed with soap and water.

**NOTE:** For additional non-skid, add 5240 220 mesh Aluminum Oxide or 5190 Non-Skid Additive.

## 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 the SDS sheet 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 (40°F to 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](http://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.

NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

## 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

[sherwin-williams.com/resin-flooring](http://sherwin-williams.com/resin-flooring)  
[swflooding@sherwin.com](mailto:swflooding@sherwin.com)