

PART A GP3567V01  
PART B GP3567B01  
PART C GP3567C

CLEAR  
HARDENER  
AGGREGATE

Revised: February 24, 2023

## PRODUCT INFORMATION

### PRODUCT DESCRIPTION

**RESUFLO DSS COVE** is a three-part, UV-resistant, epoxy-based, decorative slurry. Used as the slurry layer in the Sherwin-Williams Decorative Stone Slurry System, it offers a modern, stone-like appearance and is available in twelve beautiful color options. While it is recommended to use Resuflo DSP as the primer, other Sherwin-Williams epoxies may be used—contact Sherwin-Williams Technical Support for guidance. This product should be topcoated with a Sherwin-Williams urethane for desired finish, see the Sherwin-Williams Decorative Stone Slurry System guide for more details.

#### Advantages:

- LEED® v4 - Indoor Air Quality credits available.
  - Meets requirements per CDPH-CA Section 01350 Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental chambers Version 1.2.
- SEAMLESS - Hygienic finish; no grout joints
- Seals concrete, protecting against dirt and spills
- Cleans easily, saving detergent, labor and water
- Complies with SCAQMD VOC regulations - <100 g/L
- Sleek, modern, stone-like appearance
- Broad range of standard colors, custom color availability
- Satin or high-gloss finish
- Time-saving installation
- Self-leveling system
- Virtually invisible repair
- Long life
- Chemical resistance

#### Limitations:

- Contamination (Fisheyes): Product may fisheye if oil, silicones, mold release agents or other contaminants are present.

### TYPICAL USES

- Pharmaceutical
- Medical Care Facilities
- Aviation - Terminals / Hangars
- Government Buildings
- Detention / Public Safety Centers
- Universities / Schools

### ORDERING INFORMATION

#### Packaging:

Part A: 2 gallons (7.56L) in a 5 gallon (18.9L) pail,  
Part B: 1 gallon (3.78L) containers  
Part C: 37.5 lbs. bag in a box

### PRODUCT CHARACTERISTICS

<b>Color:</b>	Custom colors are available
<b>Volume Solids:</b>	
Unfilled (A/B):	97%, mixed (ASTM D1475)
Filled (A/B/C):	100%, mixed (ASTM D1475)
<b>Weight Solids:</b>	
Unfilled (A/B):	96.7%, mixed (ASTM D1475)
Filled (A/B/C):	99.7%, mixed (ASTM D1475)
<b>Mix Ratio:</b>	1:1:1 (37.5# box) by unit
<b>VOC (ASTM D3960):</b>	<100 g/L ; 0.83 lb/gal, mixed

#### Recommended Spreading Rate per coat:

	Minimum	Maximum
<b>Wet mils (microns)</b>	<b>60.0</b> (1500)	<b>80.0</b> (2000)
<b>Coverage sq ft/gal (m<sup>2</sup>/L):</b>	<b>90</b> (8.4)	<b>120</b> (11.1)

#### Drying Schedule:

	@ 50°F/10°C 50% RH	@ 68°F/20°C 50% RH	@ 77°F/25°C 50% RH	@ 90°F/32°C 50% RH
<b>Tack Free:</b>	>142 hours	8 hours	7.5 hours	4 hours
<b>Dry Hard:</b>	NR*	13.5 hours	13 hours	7 hours
<b>Foot Traffic:</b>	NR*	24 hours	24 hours	24 hours
<b>Gel Time / Pot Life:</b>	Untinted: 202 min. Tinted: 236 min.	Untinted: 49 min. Tinted: 84 min.	Untinted: 43 min. Tinted: 80 min.	Untinted: 30 min. Tinted: 65 min.
<b>Recoat Window:</b>	Maximum: Up to 24 hours for >70°F (21°C)			

\*NR = Not recommended

**Shelf Life:** 6 months, unopened  
Store indoors at 65°F (18°C) to 90°F (32°C)

### PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results*
<b>Abrasion Resistance</b>	ASTM D4060, CS-17 wheel, 1000gm load, 1000 cycles	83.1 mg loss
<b>Coefficient of Friction - COF James Friction Tester</b>	ASTM D2047	0.59-0.62
<b>Compressive Strength</b>	ASTM D695	Unfilled/Filled: ~10,000 psi ; 68.95 MPa (7 day cure)
<b>Percent Elongation</b>	ASTM D2370	5% (Unfilled - 10 mils, 7 day cure)
<b>Shore D Hardness</b>	ASTM D2240	Unfilled/Filled @ 0 sec: 84 ; @ 15 sec: 80
<b>Tensile Strength</b>	ASTM D2370	Unfilled (10 mils, 7 day cure): 6,000 psi ; 41.37 MPa

\*Results are based on conditions at 70°F (21°C)

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### SURFACE PREPARATION

**CHECK THE TEMPERATURE AND HUMIDITY:** Floor temperature and materials should be between 65°F (18°C) and 90°F (32°C). Humidity must be less than 80%. **DO NOT** coat unless floor temperature is more than five degrees over the current, local dew point.

#### BARE CONCRETE

**CHECK THE CONCRETE:** Concrete must be structurally sound and free of curing membrane, paint and/or other sealer. If you suspect that the concrete has been previously sealed, call your Sherwin-Williams representative for further instructions.

**CHECK FOR MOISTURE:** Concrete must be dry before application of this floor coating material. Concrete moisture testing must occur. In-situ relative humidity testing is recommended. Readings must be below 75% relative internal concrete humidity. Test methods can be purchased at [www.astm.org](http://www.astm.org), see F2170, or follow manufacturer's instructions. If moisture issues are present, the use of a moisture mitigation system may be a consideration. Please contact your Sherwin-Williams representative for further information / instructions.

**NOTE:** Although testing is critical, it is not a guarantee against future problems. This is especially true if there is no vapor barrier or the vapor barrier is not functioning properly and/or you suspect you may have concrete contamination from oils, chemical spills or excessive salts.

### APPLICATION EQUIPMENT

- Chalk line
- Paint brushes
- 12" Drywall knife
- Coving trowel (2-inches taller than the cove height being installed)
- Duct tape
- 4" (106.6 mm) Roller frame w/ covers
- Bucket mortar mix

**ASSEMBLE EQUIPMENT:** Due to the limited pot life of the material, all application equipment, etc. should be ready for immediate use. (Clean roller with tape to remove any residual lint.)

### USE OVER EXISTING COATINGS

Examine the existing coating to ensure it is well-bonded to the concrete. Any loose coating must be completely removed. Edges should be sanded to a feathered edge. Clean the entire floor thoroughly with detergent cleaner. The surface must be free of all dirt, oils, or other contaminants. After the floor has completely dried, sand the existing coating until a powdery residue is evident and all gloss is removed. Sweep or vacuum clean, and wipe with xylene to ensure good adhesion of the new system. **NOTE:** When applying Resufloor DSS Cove over existing coatings, a test patch is recommended to evaluate compatibility. **NOTE:** Existing coating color needs to be consistent across application area. Color variation of floor may show through if not consistent.

### APPLICATION INSTRUCTIONS

**PREMIX THE TWO GALLONS RESUFLO<sup>TM</sup> DSS COVE PART A FOR 2 MINUTES** using a Jiffy mixer (PS-1 Blade) and slow speed drill. **NOTE:** Do not use a larger blade, which can entrap air into the blended material, causing micro-bubbles to form on the surface of the cured system.

**ADD THE ONE GALLON OF RESUFLO<sup>TM</sup> DSS COVE B TO PART A (3 GALLONS / 11.34 LITRES TOTAL MIX).** **POTLIFE:** Mix only enough material which can be applied within the work time (time between the addition of Part B to Part A and the completion of all application actions). Check the following chart for work times at various temperatures.

**APPROXIMATE WORK TIME (minutes) - °F (°C):**  

65 (18.3)	70 (21.1)	75 (23.9)	80 (26.7)	90 (32.2)
40	30	25	20	15

**MIX FOR 2 MINUTES** using a Jiffy mixer (PS-1 Blade) and slow speed drill. (Failure to do so could result in lower/diminished coating properties.)

**WHILE CONTINUING TO MIX--USING THE BUCKET MORTAR MIXER, SLOWLY ADD RESUFLO<sup>TM</sup> DSS COVE C.** Mix until all 37.5 lbs. of Part C filler have been emptied into the container.

**CONTINUE MIXING FOR AN ADDITIONAL 3 MINUTES** after all of the Part C filler has been added. Pail will contain approximately 4.5 gallons of mixed material. **NOTE:** Move mixing blade throughout the container to ensure complete blending of filler. Do not whip air into the mixture.

**IMMEDIATELY START TO HANG THE BLENDED RESUFLO<sup>TM</sup> DSS COVE MATERIAL,** using a 12" drywall knife to rough out the cove form, start from the floor and finish at the top edge. Pot Life on the mixed cove materials is 30 minutes, and in some conditions, may be up to an hour.

**USING THE PROPERLY PREPARED COVING TROWEL,** strike the pre-hung coving material. **NOTE:** The Resufloor DSS Cove material is applied using a slightly different technique than when installing a typical "built" cove, where the installer compresses the material to create the desired shape. The Resufloor DSS Cove should be handled more like a caulk. It is to be smoothed with the coving trowel, not compressed.

**AFTER THE FIRST STRIKE,** clean the trowel and apply solvent to the trowel. Take the solvent-lubricated trowel and smoothen the cove.

**WHEN COMPLETE,** remove tape lines from the top and bottom of the cove. **NOTE:** The cove should be topcoated at the same time as the floor.

**AFTER COVE HAS CURED HARD,** lightly sand cove by hand to remove any imperfections. A palm sander may be used. Carefully vacuum, followed by a tack rag, to ensure all residue is removed.

**ADDITIONAL COATINGS:** Resufloor DSS Cove should be topcoated with a urethane topcoat.

### SAFETY

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.

### 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.**

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### CHEMICAL RESISTANCE

Reagent	1 Day	7 Days
Hydrochloric Acid 10%	E	E
Hydrochloric Acid 30% (Muriatic)	E	G
Nitric Acid 10%	E	G
Phosphoric Acid 50%	F	G
Sulfuric Acid 37% (Battery Acid)	G	G
Acetic Acid 10%	G	F
Citric Acid 10%	G	G
Oleic Acid	G	F
Ammonia Hydroxide 10%	E	E
Sodium Hydroxide 50%	E	E
Ethylene Glycol (Antifreeze)	E	G
Isopropyl Alcohol	F	P
Methanol	F	F
D-Limonene	G	G
JP-4 Jet Fuel	E	E
Gasoline	G	G
Mineral Spirits	E	E
Xylene	F	F
Methylene Chloride	P	P
MEK	P	P
PMA	F	F
Ammonium Nitrate 20%	E	E
Brake Fluid	F	F
Bleach	E	E
Motor Oil (SAE 30)	E	E
Skydrol® 500B	F	F
Skydrol® LD4	F	F
Sodium Chloride 20%	E	E
1% Tide® Laundry Soap	E	E
10% Trisodium Phosphate	E	E

ASTM D1308 Test Method 3.1.1 spot test, covered. Results are based on 1-day and 7-day. Coating cured 2 weeks prior to testing.

E - Excellent (no adverse effect) - Recommended  
G - Good (limited adverse effect) - Use for short-term exposure only  
F - Fair (moderate adverse effect) - Not recommended  
P - Poor (unsatisfactory) - Little or no resistance to chemical

\*only adverse effect was staining

NOTE: Reduced chemical resistance and staining is possible in pigmented versions of the system

### DISCLAIMER

The information and recommendations set forth in this Product Data Sheet 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 your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

### REPAIRING MINOR STONE SLURRY SURFACE DAMAGE

IDENTIFY THE DAMAGED SPOT. Tape off the surrounding area to protect it.

REMOVE DAMAGED MATERIAL using a router with a straight carbide-tipped bit.

VACUUM THE ROUTED AREA, followed by a clean tack rag. USING RESUFLO<sup>TM</sup> DSS COVE PART C, dust the perimeter of the area to be repaired.

MIX RESUFLO<sup>TM</sup> DSS COVE PART A AND RESUFLO<sup>TM</sup> DSS COVE PART B at a 2:1 ratio for 3 minutes. For every 1 ounce of blended RESUFLO<sup>TM</sup> DSS COVE Part A and B liquid, add 44.3 grams of RESUFLO<sup>TM</sup> DSS COVE Part C powder. Mix for an additional 2 minutes. POUR THE BLENDED, three-component RESUFLO<sup>TM</sup> DSS COVE mixture into the area to be repaired.

STRIKE THE AREA USING A 1/8" V-NOTCHED TROWEL, held at a 10-20 degree angle, to remove excess material. Wipe the surrounding area clean, as required.

ALLOW TO CURE OVERNIGHT and lightly sand the next day to level area if needed.

APPLY TOPCOAT TO THE REPAIRED AREA and carefully feather edges into the surrounding surface.

NOTE: There is no limit on how many times an area can be repaired.

### MAINTENANCE

Allow floor coating to cure at least one week before cleaning by mechanical means (e.g., sweeper, scrubber, disc machine).

Care: Proper maintenance will increase the life and help maintain the appearance of your new Tennant floor coating. Sweep and scrub your new coating regularly, as dirt and dust are abrasive and can quickly dull the finish, decreasing the life of your coating. Remove spills quickly as certain chemicals may stain and could possibly permanently damage the finish.

Use soft nylon brushes or white pads on your new floor coating. Any brush more abrasive than a soft nylon or white pad can cause premature loss of gloss.

Caution: Avoid scratching or gouging the surface. All floor coatings will scratch if heavy objects are dragged across the surface.

Do not drop heavy or pointed items on the floor as this may cause chipping or concrete popouts in the case of a weak cap.

Rubber tires can permanently stain the floor coating from plasticizer migration. Plexiglass between the tire and the floor coating can prevent discoloration.

Rubber burns from quick stops and starts can heat the coating to its softening temperature, causing permanent marking.

Repair: Repair gouges or scratches or chip outs as soon as possible to prevent moisture or chemical contamination.

### TINTING

Only tint with HPF Universal Colorants. Do not tint with GIS colorants.