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09-6723 Resinous Flooring O&M

PART A
PART B
GP3770A01
GP3770B01
RESIN
HARDENER

Revised: December 4, 2023

PRODUCT INFORMATION

PRODUCT DESCRIPTION

RESUFLOTM RCE is a two-component, rapid cure high-solids epoxy designed for experienced applicators.

Advantages:

- LEED® CREDIT - LEED Green Building Certification Program credits may be available:
 - Indoor Environmental Quality
 - 4.2 Low-Emitting Materials, Paint & Coatings
- Reduces downtime at ambient conditions
- Reasonable cure time at cooler conditions
- Reduced solvent means less evaporation and less waste
- Complies with SCAQMD VOC regulations - <100 g/L

TYPICAL USES

- Primer and Build Coat
- Seed coat for full broadcast flake and quartz floors

GENERAL INFORMATION

OPTIONS:

Colors: Use colorants at a rate of one unit per 3-gallon (11.34 litres) mix of Resuflo RCE. Standard Colorants--White, Yellow and Light Gray will not impart total hide. Use these colorants at a rate of two units per 3-gallon (11.34 litres) mix. Similar colorants also may not hide as well. Refer to Color Selection Guide or consult Technical Support. (White and Light Gray are only recommended if topcoating with a non-yellowing urethane. Due to possible color inconsistencies, Battleship Gray and Medium Gray colorants are only recommended if topcoated.) UV/Light Stability: This product is not light stable and will yellow/amber more quickly than a standard epoxy. Resuflo RCE should not be used for sealing and topcoating decorative floors or as a standalone coating.

LIMITATIONS:

Contamination (Fisheyes, Adhesion): Products may fisheye and/or have reduced adhesion if oil, silicones, mold release agents or other contaminants are present.

Appearance: The reduced work time may not allow the release of entrained air and/or Resuflo RCE to level as well as a standard epoxy resulting in an orange peel texture that a thin-mil coating will not hide.

Blush Effect: Resuflo RCE may exhibit amine-blush if applied at relative humidity >70%. Amine-blush will affect adhesion quality of additional coatings applied on top. Consult Technical Support for further questions about amine-blush.

ORDERING INFORMATION

Packaging: 5 gallon (18.9L) filled pails, and 55 gallon (208L) filled drums

PRODUCT CHARACTERISTICS

Volume Solids:	≥ 90.79%, mixed @ 10 mils or greater ASTM D2369, Method E
Mix Ratio:	2A:1B by volume
VOC (EPA Method 24):	<100 g/L ; 0.83 lb/gal @ 10 mils (0.25 mm) or greater
Density (lb/gal / kg/L):	A - 9.56 / 1.14 ; B - 8.39 / 1.01 A/B - 9.12 / 1.09

PRODUCT CHARACTERISTICS (CONT'D)

Recommended Spreading Rate:

To meet <100 g/L VOC per EPA Method 24, Resuflo RCE must be applied using one or the other minimum mil thicknesses shown below:

- A minimum of 10 mils (0.25 mm) in one single coat.
10 mils (0.25 mm) -- 160 ft² (14.86 m²) coverage per gallon (3.78 litres) wet/dry film
- A minimum of 11 mils (0.28 mm) total combined thickness applied in two coats within 7 hours of each other, with neither coat being applied less than 3 mils (0.08 mm).
3 mils (0.08 mm) -- 535 ft² (49.70 m²) coverage per gallon wet/dry film
8 mils (0.20 mm) -- 200 ft² (18.58 m²) coverage per gallon wet/dry film

Drying Schedule:

	@ 50°F/10°C 50% RH	@ 77°F/25°C 50% RH	@ 90°F/32°C 50% RH
Tack Free:	17.5 hours	3.25 hours	1.5 hours
Dry Hard:	24 hours	5 hours	2.75 hours
Foot Traffic:	36 hours	12 hours	10 hours
Gel Time / Pot Life:	Untinted: 58 min. Tinted: 61 min.	Untinted: 8 min. Tinted: 8 min.	Untinted: 7 min. Tinted: 7 min.
Recoat Window:	Maximum: Up to 24 hours for all conditions		

Shelf Life: 24 months, unopened.
Store indoors at 65°F (18°C) to 90°F (32°C).

Reducer: No thinning recommended.

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results*
Adhesion to Concrete	ASTM D7234	Untinted and Tinted, @ 10 mils, 7 day cure: A/B - >480 psi (max register)
Compressive Strength	ASTM D695	Untinted (7 day cure): 8,033 psi Tinted (7 day cure): 7,967 psi
Flexural Strength	ASTM D790	Untinted @ 10 mils, 7 day cure: No Break. Maximum Flexural Stress: 16.9 ± 0.2 MPa Tinted @ 10 mils, 7 day cure: No Break. Maximum Flexural Stress: 13.1 ± 0.5 MPa
Percent Elongation	ASTM D2370	Untinted @ 10 mils, 7 day cure: 69.7% Tinted @ 10 mils, 7 day cure: 77.0%
Shore D Hardness	ASTM D2240	80-85 @ 0 sec 75-80 @ 15 sec
Tensile Strength	ASTM D2370	Untinted @ 10 mils, 7 day cure: 2,065 psi Tinted @ 10 mils, 7 day cure: 2,139 psi
Thermal Stability / Heat Resistance, Tested on steel panel (5 hours at 158°F)	MIL-D-3134J, Section 4.6.3	Untinted and Tinted, 7 day cure: No slip/flow, no softening or change in appearance
Water Absorption (24-hour immersion)	ASTM D570	Untinted @ 10 mils, 7 day cure: 3.92% Gray @ 10 mils, 7 day cure: 4.06%

*results are based on conditions at 77°F (25°C)

Revised: December 4, 2023

PRODUCT INFORMATION

SURFACE PREPARATION

CHECK THE CONCRETE: Concrete must be structurally sound and free of curing membrane, paint or other sealer. If you suspect that the concrete has been previously sealed, call technical support 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, see F2170, or follow manufacturer's instructions. If moisture issues are present, the use of a moisture mitigation system may be a consideration. Please call Technical Support 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.

CHECK THE TEMPERATURE AND HUMIDITY: Floor temperature and materials should be between 65°F (18°C) and 90°F (32.2°C). Humidity must be less than 70% at time of application as it may result in amine-blush. Amine-blush can affect adhesion quality of additional coatings applied on the top. Consult Technical Support for further questions about amine-blush. DO NOT coat unless floor temperature is more than five degrees over the current, local dew point.

APPLICATION EQUIPMENT

- Protective clothing
- Jiffy mixer blade
- 80 grit sandpaper
- 100 grit sandpaper
- Slow speed drill (500 rpm or less)
- 18-24" flat rubber squeegee
- 18-24" notched rubber squeegee
- Roller assembly (18")
- Spiked shoes
- Shed resistant 3/8" nap roller*
- 120 grit sandpaper

*NOTE: Using thicker nap rollers reduces the work time, especially at warmer temperatures.

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.)

RECOAT APPLICATION

If recoating a previously existing floor coating, thoroughly inspect coating to make sure it is bonded well to the concrete. The presences of blisters and peeling may be evidence of high moisture or contamination problems in the concrete. If the existing coating is a concrete sealer, paint, or curing membrane, then it must be fully removed before coating with Resufloor RCE. Refer to "Preliminary Floor Inspections" section above for more details. Thorough floor preparation must be completed before recoating with Resufloor RCE. Sand existing floor coating fully to a uniform dull appearance using 80 grit sandpaper. The ability to see individual scratch marks is an indication that sanding is not adequate. Scrub with detergent and rinse with clean water before coating and tack rag to remove fine dust.

RECOAT APPLICATION (CONT'D)

When recoating with Resufloor RCE, apply a minimum 10 mils, ensuring variations in floor surface texture and profile will be covered. Resufloor RCE is not designed to be use as a standalone coating and should be coated over with a different Sherwin-Williams epoxy or urethane. For mixing and application instructions of Resufloor RCE, refer to Bare Concrete Application Step #2. For applying coatings on top of the Resufloor RCE, refer to the section regarding "Applying Additional Coatings" on page 3.

BARE CONCRETE PREPARATION OPTIONS

Ensure concrete is free of dirt, grease, oil or other contaminants. Certain types of contaminant may interfere with coating adhesion and cause fisheyes or defect in the coating. Scrub with detergent, rinse with clean water, and allow to fully dry.

Concrete Preparation Options for Thin to Medium Film Applications

Diamond Grind: (results of diamond grinding may vary depending on technique and the hardness of the concrete. Additional mils may be required). Sweep to remove large debris and vacuum to remove fine dust.

Light Blast: Use magnetic broom to remove excess shot, sweep to remove large debris and vacuum to remove fine dust.

Concrete Preparation options for Thick-Film Applications

Steel Shot Blast: Use magnetic broom to remove excess shot, sweep to remove large debris and vacuum to remove fine dust. **Scarify:** Sweep to remove large debris and vacuum to remove fine dust.

Filling Joints: Depending on the preference of the facility owner, joints may or may not be filled. If the joints are filled, non-moving joints, i.e. contraction or control joints, can be hard filled with thickened epoxy or with a semi-rigid joint filler such as Resufloor 3580. Construction joints less than one inch wide may also be filled with Resufloor 3580. Isolation or expansion joints must be filled with a flexible material designed for this purpose. Coating applied over filled joints may crack if there is concrete movement.

BARE CONCRETE APPLICATION

To minimize outgassing bubbles on bare concrete, it is recommended that Resufloor RCE be applied in two steps. Apply the first coat of the primer with at least 3 mils (535 ft²) coverage per gallon wet/dry film.

APPLICATION STEP #1

Before use, PREMIX Resufloor RCE Part A in the product container using a Jiffy mixer blade and slow speed drill to ensure a uniform product. From the product container, measure out 2-parts by volume of Resufloor RCE Part A into a measuring container. Then, pour the measured Part A into a mixing pail.

From the Resufloor RCE Part B product container, measure out 1-part by volume of Resufloor RCE Part B into a measuring container that is separate from the one used with the Part A. Then, add the measured Part B to the Part A already in the mixing pail. **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)
15	10	<10	NR	NR

NR = Not Recommended

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PRODUCT INFORMATION

BARE CONCRETE APPLICATION (CONT'D)

MIX FOR 1 MINUTE using a Jiffy mixer blade and slow speed drill. (Failure to do so could result in lower/diminished coating properties.)

IMMEDIATELY POUR ALL OF THE MIXED MATERIAL onto the floor in a single bead.

PUSH THE FLAT SQUEEGEE at an even speed with down pressure. The squeegee should be pushed to apply maximum pressure and therefore the thinnest coat.

START THE SECOND AND REMAINING PASSES by pushing material parallel to the first stroke. Hold the bead of material near the center of the bar and push at an even speed with slight down pressure. NOTE: Epoxy applied thin may "bridge" holes and cracks momentarily before soaking in—make sure the previously squeegeed area is overlapped (halfway).

To Reduce Outgassing Bubbles, it is best to wait until the primer has set up enough to walk on before applying the second coat. Approximate "walk-on" times are listed below:

APPROXIMATE WALK-ON TIME (minutes) - °F (°C):

65 (18.3) 70 (21.1) 75 (23.9)
7 5 <5

If the second coat is not applied within 7 hours, coating VOC may exceed 100 g/L. If it is not coated within 24 hours, it must be thoroughly sanded to ensure proper adhesion of additional coats. See section "Sanding Requirements" for additional information.

APPLICATION STEP #2

Repeat Mixing procedure note above in Step #1. Adjust mix quantity to match the desired coverage rate. Step #2 requires back-rolling to obtain a uniform coverage rate. Apply a minimum of 8 mils (0.20 mm) in Step #2 to cover up remaining texture differences on the floor. Note: The total combined thickness of step #1 and step #2 should not exceed 35 mils (0.89 mm).

IMMEDIATELY POUR ALL OF THE MIXED MATERIAL onto the floor in a single bead.

Use a notched squeegee to spread the coating out over the floor, using the same method noted for Step #1.

*1/16" notched squeegee to apply 10-15 mils (0.25-0.38 mm)

*1/8" notched squeegee to apply 15-20 mils (0.38-0.51 mm)

*1/4" notched squeegee to apply more than 20 mils (0.51 mm)

*These guidelines were arrived at by using new squeegees on smooth concrete with little applied pressure. The application rate is affected by worn squeegees, applied pressure and texture of the concrete.

Immediately after the Resufloor RCE is spread out and there is room to roll, a second person will BACKROLL THE MATERIAL with a 3/8" roller to a smooth and uniform appearance.

Resufloor RCE is not designed to be a standalone coating and should be coated over with a Sherwin-Williams urethane or epoxy. With the exception of Resutite HPS 100, Resufloor RCE can be coated over without sanding the floor within 24 hours of last Resufloor RCE application when cured in the range of 65-80°F (18-27°C). NOTE: This is a Tennant solution only, DO NOT try this with competitive epoxies.

If applying Resutite HPS 100, the floor must be sanded before installation regardless of the recoat window to obtain proper adhesion and appearance.

BARE CONCRETE APPLICATION (CONT'D)

After 24 hours of recent application, Resufloor RCE must be sanded if applying additional coats of Sherwin-Williams urethanes or epoxies. We recommend thorough sanding with a swing-type buffer so that multiple scratch marks cause an obvious gloss loss on all areas (depressions will remain shiny), and the floor is uniformly dulled. The ability to see individual scratch marks is an indication that sanding is not adequate.

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 Sherwin-Williams 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 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. Use five pints of colorant per 15-gallon mix of Resufloor RCE for most colors and ten pints per 15-gallon mix of Resufloor RCE for White, Bright Yellow, Light Gray, and Rotunda Red. (White and Light Gray are only recommended if topcoating with a non-yellowing urethane).

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.

DISCLAIMER

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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.

Revised: April 11, 2025

PRODUCT INFORMATION

PRODUCT DESCRIPTION

POLY-CRETE SL is a 100% solids, aromatic, cementitious urethane system blended with graded silica and fine fillers applied at 1/8 inch to produce a self-leveling matte finish. In approved applications, Poly-Crete SL may be used as a moisture mitigating underlayment for resilient flooring products.

BENEFITS

- VOC Compliant
- ADA Compliant
- Leed Credits Available
- Meets USDA, FDA, and CFIA Standards
- Superior Adhesion
- Can Be applied To 7-14 Day Old Concrete
- Withstands moisture levels up to 20 lbs./1,000 sq. ft./24 hours and up to 99% RH.

LIMITATIONS

Do not apply at a temperature below 60°F (10°C) or above 85°F (29°C). Poly-Crete SL can be slippery when oily. Do not apply to un-reinforced sand cement screeds, asphalt or bitumen substrates, glazed tile or nonporous brick and tile, magnesite, copper, metal, polyesters or elastomeric membranes.

CHEMICAL RESISTANCE

Poly-Crete SL has excellent resistance to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic solvents. Some acids may discolor or bleach the surface.

PRODUCT CHARACTERISTICS

Colors: Blue, Charcoal, Chestnut, Concrete Gray, Dark Gray, Green, Gray, Red

VOC: 0 g/L

Mix Ratio: 3 component kit

Drying Schedule:

@ 70°F (21°C)

Light traffic: 10 hours

Light wheel traffic: 16 hours

Heavy traffic: 48 hours

Full service: 5 days

Drying time is temperature, humidity, and film thickness dependent.

Working time: 15 minutes

Shelf Life: Part A: 12 months, unopened
Part B: 12 months, unopened
Part C: 6 months, unopened

TYPICAL USES

- Kitchens
- Food Processing
- Warehouses
- Breweries / Distilleries
- High Traffic Areas
- Storage
- Light Manufacturing

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Abrasion Resistance	ASTM D4060, CS-17 wheel, 1000 GM load, 1,000 cycles	24 mg loss
Adhesion to Concrete	ASTM D4541	>400 psi, concrete fails before loss of bond
Compressive Strength	ASTM C579	9,000 psi
Flexural Strength	ASTM D790 ASTM C580	5,076 psi 2,400 psi
Hardness (Shore D)	ASTM D2240	75-80
Impact Resistance	MIL-D-3134, 125 mils	Pass
Static Coefficient of Friction	ASTM D2047	>0.6
Tensile Strength	ASTM D638 ASTM C307	2,175 psi 1,000 psi

PART A
PART B
PART C

GPDFPSL
GPDFPSLB1
GPDFPSLAG

SERIES
HARDENER
AGGREGATE

Revised: April 11, 2025

PRODUCT INFORMATION

SURFACE PREPARATION

This product requires preparation in order to perform as expected. Surface must be profiled, clean, dry, oil free and sound. It is recommended that the perimeter edges of the floor area and doorways be keyed.

APPLICATION

The floor must be primed with Poly-Crete TF before applying Poly-Crete SL. Poly-Crete SL is then applied at 55 square feet per kit using a ½" v-notched squeegee, then loop rolled.

GUIDE SPECIFICATIONS

This product is part of the family of polymer systems. Please refer to the master Specifier's Guide for complete three part guide specifications.

DRAWINGS AND DETAILS

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please refer to the master Drawings and Details guide for actual drawings.

JOINT GUIDELINES

Refer to the Joint Guidelines for complete details on our website.

MOISTURE CONCERNS

Please refer to the Floor Evaluation Flow Chart on our website.

ORDERING INFORMATION

Poly-Crete SL is available in pre-measured kits that cover 55 square feet at 1/8 inch. Poly-Crete SL must be stored dry. Do not use partial bags of aggregate. Do not allow resins to freeze. Every Poly-Crete product will be shipped with a lot number on the label. The first two digits indicate the year; the second two show the month, the third two will be the day. The shelf life is 6 months from the date on the label in the original unopened container.

APPLICATION CONDITIONS

Service temperature: -100°F to 220°F (live stream)

CLEANUP

Please refer to the Master Cleaning Guide.

SAFETY

Refer to the SDS sheet before use.

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Revised: February 19, 2026

PRODUCT INFORMATION

PRODUCT DESCRIPTION

ACCELERA 4850 Polyaspartic SS is a slower-set coating that gives applicators greater flexibility for flooring applications in a variety of markets. Its improved flow and leveling characteristics further minimize the potential for roller marks, enabling applicators to create a uniform, smooth finish – even on larger floors. Accelerera 4850 polyaspartic technology offers a durable coating with excellent ultraviolet and weathering characteristics, as well as good chemical resistance that will cure at low temperatures.

Advantages

- Fast curing - foot traffic in 6 hours
- Roller lines fade away
- 15-20 minute working time - see Application Instructions
- Good chemical resistance, mechanical strength
- Low temperature cure
- High gloss finish

TYPICAL USES

Accelerera 4850 is ideal for use in various coating applications where fast cure to service is desired.

- Acceptable for use in high performance architectural applications
- Suitable for use in USDA inspected facilities
- Suitable for use in Canadian food processing facilities
- Food & Beverage (e.g., processing areas, bathrooms, locker rooms, etc.)
- Pharmaceutical (e.g., processing areas, hallways, corridors, etc.)
- Healthcare
- General Industrial/Commercial (e.g., warehouses, automotive showrooms, etc.)
- Clean rooms

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Concrete:	CSP-3
Epoxy Primer or Basecoat:	Abrade with 60-80 grit paper/screen
Existing Resinous Floor:	Abrade with 36 grit paper/screen

APPLICATION CONDITIONS

Temperature: 35°F (1.7°C) minimum, 120°F (49°C) maximum (air, surface and material)
At least 5°F (2.8°C) above dew point

(For lower temperature installation contact your Sherwin-Williams representative).

Relative humidity: 85% maximum

PRODUCT CHARACTERISTICS

Color:	Clear (A01), Standard, Safety Red (A66), Safety Yellow (A67), Ultradeep Tint Base (T04) and Custom Colors
Sheen:	Gloss
Mix Ratio:	2:1
Volume Solids:	94% ± 2%, mixed (Calculated)
Weight Solids:	97% ± 2%, mixed (Calculated)
VOC (EPA Method 24):	<100 g/L mixed (unreduced)

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns):	6 (150)	15* (375)*
Dry mils (microns):	5.6 (140)	14.1 (350)
~Coverage sq ft/gal (m²/L):	106 (2.7)	251 (6.2)

*Do not apply GP4850A01 (clear) at WFT over 10 mils (250 microns)

Drying Schedule @ 10 mils (250 microns) wet:

	@ 35°F (2°C)	@ 77°F (25°C)
Rel. Humidity	50%	55%
To Touch:	2 hours	1 hour
To Handle:	3 hours	2.5 hours
To Recoat:		
minimum:		6 hours
maximum:		36 hours
Cure to service:		
Water resistance:		3 hours
Foot traffic:		6 hours
Wheeled traffic:		24 hours

If maximum recoat time is exceeded, abrade surface with 36 grit paper or screen prior to recoating.

Drying time is temperature, humidity, and film thickness dependent.

Pot life:	384 oz mass	20-25 minutes
Working time:		15 minutes
Sweat-in-time:		None

Shelf Life:	Part A: 12 months, unopened
	Part B: 12 months, unopened
	Store indoors at 50°F (10°C) to 90°F (32°C)

Flash Point: 160 F° (71°C), PMCC or SETA, mixed

PERFORMANCE CHARACTERISTICS

Substrate: Concrete (CSP-3)

System Tested: 1 ct. epoxy primer/basecoat @ 10-12 mils dft
1 ct. Accelerera 4850 @ 10-12 mils dft

Test Name	Test Method	Results
Abrasion Resistance	ASTM D 4060	80 m/g loss
Adhesion	ASTM D 4541	425 psi
Direct Impact Resistance	ASTM D 2794	100
Elongation	ASTM D 638	6%
Tensile Strength	ASTM D 638	6,400 psi
Flexibility 1/8" mandrel	ASTM D 1737	Pass
Hardness, Shore D	ASTM D 2240	69
Tear Strength	ASTM D 624	300 ibf/in

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PRODUCT INFORMATION

APPLICATION INSTRUCTIONS

1. Add 2 parts resin and 1 part hardener by volume. Mix with low speed drill and Jiffy blade for 90 seconds until uniform. Material can be reduced up to 10% in VOC restricted areas (≤ 100 g/L) with Acetone* for extended working time after mixing.

2. Apply Accelera 4850 at spread rate of 106-162 sq. ft. per gallon to yield 10-15 mils WFT using a squeegee. Back roll with a non shedding 3/8" or lower nap roller.

Note: Use dip and roll method in hot and humid conditions. Moisture in the air will accelerate the cure time. Do not exceed 10 minutes between batch to batch mixes to avoid changes at tie in. Use natural breaks to divide sections of the floor.

Required Tools: Drill, Jiffy blade, Squeegee, non shedding 3/8" or lower nap roller with solvent resistant core.

*Other areas (>100 g/L): use Acetone or R7K132 (Reducer No. 132). Choose a reducer that is compliant in your area. Confirm compliance with state and local air quality rules before use.

RECOMMENDED SYSTEMS

		Dry Film Thickness / ct.	
		Mils	(Microns)
Concrete (Polyaspartic):			
1-2 cts	Accelera 4850	6.0-15.0	(150-375)
*Concrete (Epoxy Primer):			
1 ct	Resuprime 3579	6.0-20.0	(150-500)
1-2 cts	Accelera 4850	6.0-15.0	(150-375)
**Concrete (Epoxy Top Coat):			
1 ct	Resufloor 3746	6.0-10.0	(150-250)
1-2 cts	Accelera 4850	6.0-15.0	(150-375)

*Resuprime 3579 must be abraded if Accelera 4850 has not been applied within the PDS specified recoat window. Use 60-80 grit paper/screen.

**Resufloor 3746 must be abraded if Accelera 4850 has not been applied within the PDS specified recoat window. Use 60-80 grit paper/screen.

ORDERING INFORMATION

Packaging:	Part A: 1 gallon (3.78L) in a gallon (3.78L) container Part B: 1 gallon (3.78L) in a gallon (3.78L) container
Weight:	10.05 $\pm$ 0.3 lb/gal ; 1.20 Kg/L mixed, may vary by color

CHEMICAL RESISTANCE

For comprehensive chemical resistance information, consult the Chemical Resistant Guide and contact your Sherwin-Williams representative.

TINTING

Can be tinted with GIS and HPF Universal colorants. For Universal colorants use one pint per 1-gallon mix of GP4850A01 (Clear) for most colors, and two pints per 1-gallon mix for White, Bright Yellow, Light Gray, and Rotunda Red.

CLEANUP

Clean up mixing and application equipment immediately after use, in VOC restricted areas (VOC ≤ 25 g/L, or $\leq 3\%$) with Acetone**. Observe all fire and health precautions when handling or storing solvents.

**Cleanup: Other, less restrictive areas, use Acetone or MEK. Choose a cleaner that is compliant in your area. Confirm compliance with state and local air quality rules before use.

PERFORMANCE TIPS

- Coating is a fast cure material, mixing and installation crews must be organized accordingly.
- Light colors may require a second coat to achieve hiding.
- Slab on grade requires vapor/moisture barrier.
- Rapid cure. Do not mix more material than can be applied in 20-25 minutes.
- Strictly adhere to published coverage rates.
- This coating though resistant, is not a guarantee against tire staining. Vehicular tires from cars and trucks to tractors and boat trailers are varied and have the potential to leave a stain under certain conditions. Place rubber mats or carpet pieces under the tires to avoid the issue.

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.

MAINTENANCE

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

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.

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.

MAINTENANCE RECOMMENDATIONS

GENERAL CLEANING & MAINTENANCE

Floors usually take the most abuse of any surface in the building. Floor maintenance is dependent upon the flooring system itself, the traffic conditions, and the type of dirt and debris to which it is exposed. Sherwin-Williams resinous floors are easily maintained because of their physical and chemical tough finishes.

In recognition of the need for regular floor maintenance, the following recommendations will help keep your Sherwin-Williams resinous floors looking like new. The recommended cleaning products and maintenance program is based on the type of floor you have.

RECOMMENDED CLEANING CHEMICALS

	AREA DESCRIPTION	RECOMMENDED CLEANER
FOOT TRAFFIC	Public areas, health care, dining room/cafeteria, lab, institutional, retail, foot traffic area	Neutral slip-resistant floor cleaner
LIGHT TO MODERATE SERVICE AREAS	Animal care, automotive service center, commercial kitchen/food prep area, patio	Cleaner/degreaser
MODERATE TO HEAVY SERVICE AREAS	Bottling plant, factory floor, loading dock, manufacturing/industrial, vehicular traffic area, stadium	Heavy-duty cleaner/degreaser
ESD/CONDUCTIVE FLOORS	Clean room, computer room, electronics production and assembly, quality control lab, surgery	Neutral floor cleaner
FOOD AND BEVERAGE PLANTS	Dairy plant, meat & poultry plant, food processing plant, brewery, winery and beverage plants	Cleaner/degreaser

CLEANING PROCESS

The best method to clean Sherwin-Williams flooring is a five-step process using the recommended cleaning product. The process varies between small and large floors, and between smooth and textured floors.

THE FIVE STEPS ARE:

- **Sweeping** - Always sweep the floor thoroughly before cleaning.
- **Application** - The means to put the cleaning product on the floor surface.
- **Agitation** - Movement of the cleaning product, with a piece of equipment, on the floor surface to aid in the release of foreign material.
- **Dwell Time** - Letting the cleaning product stand on the surface to allow time for emulsifying foreign material.
- **Removal** - Removing the cleaning product from the surface of the floor.

	SMOOTH FLOORING SURFACES		TEXTURED FLOORING SURFACES	
	SMALL AREA	LARGE AREA	SMALL AREA	LARGE AREA
SWEEPING	Broom or dust mop	Floor sweeper	Broom	Floor sweeper
APPLICATION	Synthetic mop or deck brush	Automatic floor scrubber	Deck brush or foamer/sprayer	Automatic floor scrubber or foamer/sprayer
AGITATION	Mop or deck brush	Automatic floor scrubber	Deck brush or rotary floor machine	Automatic floor scrubber or rotary floor machine
DWELL TIME	5-10 minutes	5-10 minutes	5-10 minutes	5-10 minutes
REMOVAL	Mop or wet vac	Automatic floor scrubber	Squeegee or wet vac	Automatic floor scrubber

Notes:

- Never use a mop to clean a floor that is greasy or oily.
- When using a deck brush, choose a medium/stiff bristle.
- When using a rotary floor machine, use a white, tan or red 3M pad or similar pad.
- When removing solution with a squeegee, use a soft, neoprene squeegee.
- Do not use a water spray to remove cleaning solution from the floor. It will over dilute the solution, causing greases and oils to fall back onto the floor surface.
- Through proper training and education, unnecessary wear of the floor, such as forklift spin and skid marks, can be avoided.
- Spills should be cleaned up immediately as a safety precaution as well as to prevent staining of the floor.
- Surfaces should be adequately protected when moving heavy equipment across the floor.

MAINTENANCE/DAMAGE PREVENTION

Sherwin-Williams resinous floors are installed with several basic types of finish coats including epoxy, polyurethane and acrylic.

Acrylic and polyurethane floors have exceptional mar and scratch resistance while epoxy finishes are harder and will scratch when subjected to abrasive dirt.