

PART A GP3541A61
PART B GP3541B59

BLACK
HARDENER

Revised: September 27, 2023

PRODUCT INFORMATION

PRODUCT DESCRIPTION

RESUDECK FLP/E is a two-component, liquid applied, solvenated epoxy-polyamine primer with unique penetrating characteristics. This primer is required for SW Parking Deck systems applied to bare concrete.

Features:

- Excellent adhesion
- Low viscosity
- Seals concrete

TYPICAL USES

- Primer over bare concrete and wood substrates
- Primer over existing coatings
- Primer for metal surfaces

GENERAL INFORMATION

LIMITATIONS:

CONCRETE:

1. This product is applied as part of a system and requires a base coat and at least one topcoat.
2. Concrete must exhibit 3000 psi minimum strength. Concrete surfaces to be coated must be free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.
3. New concrete must be cured for 28 days.
4. Uncured materials are sensitive to heat and moisture.

ORDERING INFORMATION

Packaging: 5 gallon (18.9) filled pails

PRODUCT CHARACTERISTICS

Volume Solids:	84% ± 2%, mixed (ASTM D2697)
Weight Solids:	90% ± 2%, mixed (ASTM D2369)
Mix Ratio:	1:1 by volume
VOC:	<100 g/L ; 0.83 lb/gal, mixed
Coverage Rate:	300 ft ² per gallon (27.87 m ² per 3.78L)
Viscosity, at 80°F (27°C):	Part A & B combined = 1200 ± 200
Dry Film Thickness per Coat:	4 mils (100 microns)
Specific Gravity:	Part A = 1.30, Part B = 1.89
Application Temperature:	
Ambient/Surface:	40°F (4°C) to 180°F (82°C)
Thumb print tacky:	
80°F (27°C) to 90°F (32°C):	1-2 hours
70°F (21°C) to 80°F (27°C):	2-3 hours
60°F (16°C) to 70°F (21°C):	4-5 hours
50°F (10°C) to 60°F (16°C):	6-8 hours
40°F (4°C) to 50°F (10°C):	12-18 hours

Drying Schedule:

@ 75°F (24°C)

Tack Free Time:	3 hours
Dry Hard:	12 hours
Foot Traffic:	3-4 hours
Pot Life:	60-90 minutes

Shelf Life: 12 months, unopened.
Store indoors at 65°F (18°C) to 90°F (32°C).

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SURFACE PREPARATION

CHECK THE TEMPERATURE: Floor temperature and materials need to be above 50°F (10° C). NOTE: Higher temperature application will yield shorter work times.

CHECK THE CONCRETE: Concrete must be structurally sound and sloped for proper drainage. Sherwin-Williams assumes no liability for substrate defects. If you suspect the concrete has been sealed or coated, 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 when tested in accordance to F2170. If moisture issues are present, the use of a moisture mitigation system may be a consideration. Please call your Sherwin-Williams representative for further information / instructions.

APPLICATION EQUIPMENT

- Protective clothing
- Jiffy mixer blade
- Slow speed drill (500 rpm or less)
- Medium (3/8") nap roller
- 18-24" flat rubber squeegee
- Paint sprayer
- Paint (chip) brushes
- Roller assembly (18")
- Spiked shoes

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.)

PREPARATION

Surfaces shall be broom clean, dry, sound and free of voids, bugholes, rockpockets, honeycombs, protrusions, excessive roughness, foreign matter, frost, ice and other contaminants which may inhibit application or performance of the waterproofing coating system.

If complete Resufloor Flex system is to be installed, remove all loose or unadhered coatings.

Steel shot blast concrete to a profile CSP3-4 (International Concrete Repair Institute): Ensure complete removal of form release, curing compound, chemical retarders and other surface treatment, mortar smear, saw-cutting residue, mill scale, rust, loose material and other contaminants from surfaces.

All previous concrete patches must be sound and inspected for acceptability prior to application of the coating. Unsound patches are to be replaced.

SURFACE PREPARATION (CONT'D)

Decks:

1. Slope deck surfaces to drains that have flanges at coating level which are flush with deck surfaces.
2. Rigidly install pipe, vents and other surface protrusions, properly flash them, and cover to prevent entry of coating materials.
3. Metal flashings: Where metal flashings are substrate to waterproofing coating, set the flashings in continuous bedding bead of flexible joint sealant; install sealant S-bead between metal laps and mechanically fasten to substrate along leading edges at every 4" on center, staggered linearly, to lay flat without fishmouths.
4. Joints: Configuration shall be consistent with this Section and with all other requirements of the Contract Documents.
5. Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section.

For additional information on surface preparation please see Form G-1.

APPLICATION INSTRUCTIONS

Prime surface with Resudeck FLP/E.

COVERAGE RATE: 300 ft²/gallon (27.87 m²/gallon).

PREMIX PART A AND PART B using a Jiffy mixer blade and slow speed drill to ensure materials are homogeneous. NOTE: Part A is black in color.

COMBINE AND MIX EQUAL AMOUNTS OF PART A & B by volume. Use separate measuring containers and pour into a mixing pail. Mix only what can be applied in 30 min.

NOTE: Resudeck FLP/E is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time. Low temperatures and/or low humidity will extend the cure time.

MIX FOR 3 MINUTES using a Jiffy mixer blade and slow speed drill. (Failure to do so could result in lower/diminished coating properties.) Pour into application tray.

APPLY RESUDECK FLP/E at the rate of 300 ft²/gallon (27.87 m²/3.78 litres) with an airless sprayer. DO NOT puddle material. For proper appearance and development of physical properties, it is crucial that material is not applied above or below this rate.

For Squeegee and backroll application:

SPREAD THE MATERIAL evenly with snow plow method. **MAKE SURE THE FLOOR HAS JUST ENOUGH COATING TO COVER EVENLY.** Dry roll to remove any excess material. Excess material will cause the floor to dry unevenly and 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. **ALLOW RESUDECK FLP/E TO BECOME THUMBPRINT TACKY**, before proceeding to sealing/taping joints and Base Coat Application – Resudeck FHS. Primer must be coated within 2-4 hours of becoming dry. Maximum recoat window is 24 hours.

Note: Prior to recoat, check for pinholes. If pinholes are found, reprime areas with primer diluted with 5-10% xylene.

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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.

Detergent: Sherwin-Williams has a full range of detergents--general purpose to heavy duty--for your cleaning needs. For assistance in determining which detergent is right for your facility or for additional technical information, contact your Sherwin-Williams representative.

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.

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

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.