

**PART A
PART B**
**GP3568G01
GP3568B01**
**CLEAR
HARDENER**

Revised: February 28, 2023

PRODUCT INFORMATION

PRODUCT DESCRIPTION

RESUFLOOR PT 250 TOPCOAT is a high solids, thickened epoxy for sealing an overlay or if an "orange-peel" texture is desired.

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.
- Reduced solvent means less evaporation and less waste
- Low odor. Can be applied during normal business hours.
- Complies with SCAQMD VOC regulations - <100 g/L

TYPICAL USES

- Walls
- Base coat to create texture
- Seal coat for epoxy mortar

GENERAL INFORMATION

OPTIONS:

Colors: Use colorants at a rate of one unit per 3-gallon (11.34 litres) unit of Resuflor 250 PT Topcoat. 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 Sherwin-Williams Technical Support.

LIMITATIONS:

UV/Light Stability: This product is not light stable and will yellow/amber over time.

ORDERING INFORMATION

Packaging:

Part A: 1 gallon (3.78L) containers, 2 gallons (7.56L) in a 5 gallon (18.9L) pail, and 5 gallon (18.9L) filled pails
Part B: 1 gallon (3.78L) containers and 5 gallon (18.9L) filled pails

PRODUCT CHARACTERISTICS

Volume Solids:	96.4%, mixed (ASTM D2369)
Weight Solids:	96.6%, mixed (ASTM D2369)
Mix Ratio:	2:1 by volume
VOC (ASTM D3960):	<100 g/L ; 0.83 lb/gal, mixed

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns):	5.0 (125)	8.0 (200)
Coverage sq ft/gal (m²/L):	200 (4.92)	300 (7.87)

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
Tack Free:	190 hours	7.5 hours	7 hours	5.75 hours
Dry Hard:	NR*	13.5 hours	13 hours	8 hours
Foot Traffic:	NR*	24 hours	24 hours	24 hours
Gel Time / Pot Life:	Untinted: 258 min. Tinted: 265 min.	Untinted: 56 min. Tinted: 59 min.	Untinted: 50 min. Tinted: 54 min.	Untinted: 26 min. Tinted: 28 min.

Recoat Window: Maximum: Up to 24 hours for >70°F (21°C)

*NR = Not recommended

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

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results*
Abrasion Resistance	ASTM D2047, Taber Abraser CS-17 Taber Abrasion Wheel, 1000gm load, 1000 cycles	65 mg loss
Compressive Strength	ASTM D695	11,300 psi ; 77.91 MPa (7 day cure)
Percent Elongation	ASTM D2370	7% (8 mils, 7 day cure)
Shore D Hardness	ASTM D2240	83 @ 0 sec / 77 @ 15 sec
Tensile Strength	ASTM D2370	7,000 psi ; 48.26 MPa (8 mils, 7 day cure)

*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.

APPLICATION EQUIPMENT

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

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

ResufloTM PT 250 Topcoat may be used to coat over an existing epoxy in sound condition. Detergent scrub and rinse with clean water to remove surface dirt, grease, oil and contaminants. Floor must be sanded thoroughly with 80 grit paper/60 grit screen prior to recoating. 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. Scrub with detergent and rinse with clean water before coating.

BARE CONCRETE APPLICATION

RESUFLOTM PT 250 TOPCOAT MUST BE APPLIED OVER A SHERWIN-WILLIAMS HIGH SOLIDS EPOXY PRIMER. ResufloTM PT 250 Topcoat is too thick to effectively wet out and penetrate concrete pores. (See appropriate epoxy product bulletin for application instructions.)

APPLICATION INSTRUCTIONS

COVERAGE RATE: 5-8 mils (0.13-0.20 mm), 200-320 sq. ft. per one gallon (18.6-29.7 m² per 3.78 litres).

COLORS: Premix Sherwin-Williams Colorant before adding to ResufloTM PT 250 Topcoat to ensure uniform color. Add colorant to ResufloTM PT 250 Topcoat Part A and mix using a Jiffy mixer blade and slow speed drill.

ADD RESUFLOTM MPE/RESUFLOTM PT 250 TOPCOAT Part B TO RESUFLOTM PT 250 TOPCOAT Part A and mix well using a Jiffy mixer blade and slow speed drill.

MIX FOR 2-3 MINUTES using a Jiffy® mixer blade. **POTLIFE:** Mix only enough material which can be applied within 20 minutes.

POUR THE MIXTURE IN A BEAD over the cured ResufloTM PT 250 mortar or epoxy. **WITH A SQUEEGEE, SPREAD THE RESUFLOTM PT 250 TOPCOAT.** Sealing without backrolling will minimize texture. **BACKROLL WITH A 3/8" NAP ROLLER** for a uniform finish. The use of spiked epoxy shoes will allow freedom of movement on the wet floor.

NOTE: If backrolling, to ensure a more uniform texture, a separate individual may finish roll by pushing or pulling a roller across the floor in one direction. Unpigmented ResufloTM PT 250 Topcoat will dry "milky" if put down at more than 6 mils (0.15 mm).

ALLOW SYSTEM TO CURE 8-10 hours at 75°F (24°C).

APPLICATION OF ADDITIONAL COATINGS:

If ResufloTM PT 250 Topcoat is being coated with a Sherwin-Williams epoxy build coat or topcoated with a Sherwin-Williams urethane except Resutile HPS 100 at floor temperatures of 65-90°F (18-32°C), it does not need to be sanded if applied within 24 hours. **NOTE:** This is a Sherwin-Williams solution only, **DO NOT** try this with competitive epoxies.

SANDING REQUIRED:

ResufloTM PT 250 Topcoat must be thoroughly sanded if applying Resutile HPS 100 (see chart below):

APPROXIMATE SAND TIME (hours) - °F (°C):

<u>65 (18.3)</u>	<u>70 (21.1)</u>	<u>75 (23.9)</u>	<u>80 (26.7)</u>	<u>90 (32.2)</u>
24	20	16	12	8

ResufloTM PT 250 Topcoat must also be sanded if applying other Sherwin-Williams urethanes after 24 hours. The use of more aggressive paper will introduce deep grooves that will not be covered by a single, thin coat of urethane; swirl marks will be particularly evident if the topcoat is glossy. 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.

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CHEMICAL RESISTANCE

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

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. Use one pint of colorant per 3-gallon mix of Resufloor PT 250 Topcoat for most colors, and two pints per 3-gallon mix of Resufloor PT 250 Topcoat for White, Bright Yellow, Light Gray, and Rotunda Red.

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.