

PART A GP3569 **SERIES**
PART B GP3569B01 **STANDARD HARDENER**
PART B GP3569B02 **FAST CURE HARDENER**

Revised: September 5, 2023

PRODUCT INFORMATION

PRODUCT DESCRIPTION	PRODUCT CHARACTERISTICS																								
<p>RESUFLOOR 3569 Multi-Purpose Epoxy is a high solids, multi-purpose epoxy resin formulated to function as a primer or binder for aggregate. Available in clear or pigmented this versatile resin allows for one product functionality in aggregate filled or coating applications where high chemical and UV resistance are not requirements.</p>	<p>Color: Clear, Steel Gray, Silver Gray Mix Ratio: 4:1 Volume Solids: 91% ± 2%, mixed Weight Solids: 97% ± 2%, mixed VOC (EPA Method 24): <50 g/L ; 0.41 lb/gal, mixed Viscosity, mixed: 500 cps</p>																								
<p style="text-align: center;">ADVANTAGES</p> <ul style="list-style-type: none"> • Acceptable for use in USDA inspected facilities • LEED compliant (<50 g/L VOC) • Low viscosity • One product on job site • Good chemical & abrasion resistance • Economical 	<p style="text-align: center;">Recommended Spreading Rate as a coating:</p> <table border="1"> <thead> <tr> <th></th> <th style="text-align: center;">Minimum</th> <th style="text-align: center;">Maximum</th> </tr> </thead> <tbody> <tr> <td>Wet mils (microns):</td> <td style="text-align: center;">10 (250)</td> <td style="text-align: center;">20 (500)</td> </tr> <tr> <td>Coverage sq ft/gal (m²/L):</td> <td style="text-align: center;">80 (2.0)</td> <td style="text-align: center;">160 (4.1)</td> </tr> </tbody> </table> <p style="text-align: center;">Drying Schedule @ 10 mils (250 microns) wet:</p> <p>Standard Cure Hardener: @ 77°F (25°C) To touch: 6-8 hours To recoat: 10-24 hours Light traffic: 24 hours minimum Full cure: 7 days</p> <p><i>If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.</i></p> <p>Pot Life: gallon mass 20 minutes @ 77°F (25°C)</p> <p>Fast Cure Hardener: @ 77°F (25°C) To touch: 6 hours To recoat: 8-16 hours Light traffic: 18-24 hours Full cure: 7 days</p> <p><i>If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.</i></p> <p>Pot Life: gallon mass 12 minutes</p>		Minimum	Maximum	Wet mils (microns):	10 (250)	20 (500)	Coverage sq ft/gal (m²/L):	80 (2.0)	160 (4.1)															
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<p style="text-align: center;">TYPICAL USES</p> <p>RESUFLOOR 3569 Multi-Purpose Epoxy can be used as the primer or binder for aggregate in decorative quartz and paint chip floors or in solid color slurry or mortar floor systems. This product uses aggregate specific to two systems: Resufloor TopFloor SL23 and Resufloor Screed TG46.</p> <p>Typical installations include manufacturing, warehouses, bathrooms, aisles, docks, food & beverage facilities, kitchens, slope to drain and many others. Resufloor 3569 is the ideal choice when a general purpose epoxy floor material is required.</p>	<p>Shelf Life: Part A: 36 months, unopened Part B (Standard): 36 months, unopened Part B (Fast Cure): 18 months, unopened Store indoors at 50°F (10°C) to 90°F (32°C)</p> <p>Flash Point: 265°F (129°C), ASTM D 93, mixed</p>																								
<p style="text-align: center;">LIMITATIONS</p> <ul style="list-style-type: none"> • This product uses aggregate specific to two systems: Resufloor TopFloor SL23 and Resufloor Screed TG46 • Do not expose to water for a minimum of 72 hours, or can stain • Slab on grade requires vapor/moisture barrier • Substrate must be structurally sound, dry and free of bond inhibiting contaminants • During installation and initial cure cycle substrate and ambient air temperature must be at a minimum of 50°F (10°C). Substrate temperature must be at least 5°F (3°C) above the dew point (for lower temperature installation contact your Sherwin-Williams representative). 	<p style="text-align: center;">PERFORMANCE CHARACTERISTICS</p> <table border="1"> <thead> <tr> <th>Test Name</th> <th>Test Method</th> <th>Results</th> </tr> </thead> <tbody> <tr> <td>Abrasion Resistance</td> <td>ASTM D 4060, CS17 wheel, 1,000 cycles</td> <td>80 mg loss</td> </tr> <tr> <td>Adhesion</td> <td>ACI 503R</td> <td>400 psi concrete failure</td> </tr> <tr> <td>Compressive Strength</td> <td>ASTM D 695 ASTM C 579</td> <td>10,000 psi 12,000 psi with aggregate</td> </tr> <tr> <td>Flammability</td> <td></td> <td>Self-extinguishing over concrete</td> </tr> <tr> <td>Hardness, Shore D</td> <td>ASTM D 2040</td> <td>80</td> </tr> <tr> <td>Resistance to Elevated Temperature</td> <td>MIL-D-3134J Section 4.7.5</td> <td>No slip or flow at required temperature of 158°F (70°C)</td> </tr> <tr> <td>Tensile Strength</td> <td>ASTM D 638 ASTM C 307</td> <td>5,000 psi 1,800 pis with aggregate</td> </tr> </tbody> </table>	Test Name	Test Method	Results	Abrasion Resistance	ASTM D 4060, CS17 wheel, 1,000 cycles	80 mg loss	Adhesion	ACI 503R	400 psi concrete failure	Compressive Strength	ASTM D 695 ASTM C 579	10,000 psi 12,000 psi with aggregate	Flammability		Self-extinguishing over concrete	Hardness, Shore D	ASTM D 2040	80	Resistance to Elevated Temperature	MIL-D-3134J Section 4.7.5	No slip or flow at required temperature of 158°F (70°C)	Tensile Strength	ASTM D 638 ASTM C 307	5,000 psi 1,800 pis with aggregate
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<p style="text-align: center;">SURFACE PREPARATION</p> <p>Proper inspection and preparation of the substrate to receive resinous material is critical. Read and follow the "Instructions for Concrete Surface Preparation" (Form G-1) for complete details.</p>																									

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PRODUCT INFORMATION

APPLICATION

APPLICATION INSTRUCTIONS:

As Primer

1. Premix 3569A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the materials.

2. Add 4 parts 3569A (resin) to 1 part 3569B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. Apply material using a 3/8" nap roller at 10 mils (250 microns) at a spread rate of 160 sq. ft. per gallon as a primer. Back roll with a spiked roller if necessary to help release entrapped air created from the mixing or application process.

NOTE* After 20-30 minutes setup time, if required, spike roll coating to remove any entrapped air. Do not spike roll after 40 minutes.

As Binder Resin for Mortar systems

1. Premix 3569A (resin) using a low speed drill and Jiffy mixer. Mix for one minute and until uniform, exercising caution not to whip air into the material.

2. Add 4 parts 3569A (resin) to 1 part 3569B (hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes and until uniform. Place mixed 3569 into mortar mixer. Slowly add 70 pounds of 5115 aggregate. Mix until aggregate is thoroughly "wet out". Immediately dump mortar onto substrate and screed to desired thickness.

3. Compact and smooth the mortar using a hand or power trowel. Allow to cure (cure times vary depending on environmental conditions). Coverage rate is 32-34 sq. feet at 1/4".

As Binder Resin for Self-Leveling systems for opaque self-leveling systems or could use solid color

1. Premix 3569A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the material.

2. Add 4 parts 3569A (resin) to 1 part 3569B (hardener). Mix with low speed drill and Jiffy blade for three minutes and until uniform. Slowly add up to 6 lbs 5350 Resufloor TopFloor SL23 Filler and up to 13 lbs. of 5310 Dry Silica per 1.25 gallons of mixed epoxy. Mix with low speed drill and Jiffy blade for three minutes and until uniform and no lumps remain.

NOTE: 1 gallon of unpacked 5350 is approximately 6 lbs.
1 gallon of unpacked 5310 is approximately 13 lbs.

3. Immediately pour the mixed material onto the substrate and pull out using a 1/4" v-notched trowel or 1/4" v-notched rubber squeegee. Mix will cover 53-55 square feet at 1/16", for non-skid broadcast to refusal with aggregate at a rate of 0.5 lbs per sq. foot to achieve 1/8".

ORDERING INFORMATION

Packaging:

Part A: 4 gallon (15.1L) container
Part B: 1 gallon (3.78L) container

Weight:

10.8 ± 0.2 lb/gal; 1.29 Kg/L
mixed, may vary by color

CHEMICAL RESISTANCE

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

TINTING

Can be tinted with GIS and HPF Universal colorants. For Universal colorants use two pints per 5-gallon mix of GP3569A01 (Clear) for most colors, and four pints per 5-gallon mix for White, Bright Yellow, Light Gray, and Rotunda Red.

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

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.