



Protective & Marine Coatings

GENERAL POLYMERS® 3564 STATIC DISSIPATIVE EPOXY BINDER RESIN

PART A
PART B

GP3564
GP3564B01

SERIES
HARDENER

Revised September 23, 2014

PRODUCT INFORMATION

PRODUCT DESCRIPTION

GENERAL POLYMERS 3564 STATIC DISSIPATIVE BINDER RESIN is a high solids, two component epoxy binder resin used for static dissipative flooring systems.

ADVANTAGES

- Low viscosity
- Self-leveling
- Conductive resistance range of 1,000,000 - 1,000,000,000 ohms

TYPICAL USES

GENERAL POLYMERS 3564 STATIC DISSIPATIVE BINDER RESIN is used as a binder resin for self-leveling static dissipative slurry systems for resurfacing floors in computer rooms, circuit board assembly areas, flammable material handling areas, black powder storage areas, and other areas requiring dissipation of static electricity.

LIMITATIONS

- 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 60°F (15°C). Substrate temperature must be at least 5°F (3°C) above the dew point (for lower temperature installation contact General Polymers Technical Service Department).
- **Strictly adhere to published coverage rates.**
- A conductive primer and seal coat must be used with this product.

SURFACE PREPARATION

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.

PRODUCT CHARACTERISTICS

Color:	Clear, White, Red, Gray, Black
Mix Ratio:	3:1
Volume Solids:	94% ± 2%, mixed
Weight Solids:	96% ± 2%, mixed
VOC (EPA Method 24):	<50 g/L mixed; 0.41 lb/gal
Viscosity, mixed:	421 cps

Recommended Spreading Rate per coat:
~Coverage sq ft/gal (m²/L): **varies according to usage**

Drying Schedule @ 8 mils (200 microns) wet:

	@73°F (23°C)
To touch:	8 hours
To recoat:	24 hours
Full Cure:	7 days
<i>If maximum recoat time is exceeded, abrade surface before recoating.</i>	
<i>Drying time is temperature, humidity, and film thickness dependent.</i>	
Pot Life:	gallon mass 35 minutes @ 73°F (23°C)

Shelf Life:	Part A: 36 months, unopened
	Part B (Standard): 36 months, unopened
	Store indoors at 50°F (10°C) to 90°F (32°C)
Flash Point:	>221°F (>105°C), ASTM D 93, mixed

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Abrasion Resistance	ASTM D4060, CS17 wheel, 1,000 cycles	70-90 mgs lost
Adhesion	ACI503R	300 psi concrete failure
Flammability		Self-extinguishing over concrete
Hardness, Shore D	ASTM D 2240	80/75
Resistance to Elevated Temperatures	MIL-D-3134J	No slip or flow at required temperature 158°F (70°C)



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APPLICATION

• APPLICATION INSTRUCTIONS

1. Premix 3564A (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 3 parts 3564A (3 quarts resin) to 1 part 3564B (1 quart hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform.

Refer to System Bulletin for complete installation procedures.

Note: Electrical resistance testing is required for every conductive and ESD coating system. Please refer to the appropriate System Bulletin for testing and acceptable ranges for each coating layer within the system.

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 MSDS 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.

SHIPPING

• Destinations East of the Rocky Mountains are shipped F.O.B. Cincinnati, Ohio.

• Destinations West of the Rocky Mountains are shipped F.O.B. Victorville, California.

For specific information relating to international shipments, contact your local sales representative.

ORDERING INFORMATION

Packaging:	
Part A:	1 gallon (3.8L) and 5 gallon (18.9L) containers
Part B:	1 quart (1.0L) and 5 gallon (18.9L) containers
Weight:	9.1 ± 0.2 lb/gal; 1.09 Kg/L mixed, may vary by color

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.