



Protective & Marine Coatings

GENERAL POLYMERS® 3524 EPOXY CONDUCTIVE PRIMER / SEALER

PART A
PART B

GP3524
GP3524B01

SERIES
HARDENER

Revised September 23, 2014

PRODUCT INFORMATION

PRODUCT DESCRIPTION

GENERAL POLYMERS 3524 EPOXY CONDUCTIVE PRIMER / SEALER is a black, two component polyamide epoxy designed as a primer for conductive or static dissipative coatings, slurry and mortar systems.

ADVANTAGES

- Impact and Abrasion Resistant
- Durable and Flexible
- Provides a conductive base for certain static dissipative and all conductive floor systems, review specific System Bulletin for resistance information.

TYPICAL USES

GENERAL POLYMERS 3524 EPOXY CONDUCTIVE PRIMER / SEALER provides exceptional resistance to wear, abrasion and chemical attack from most common alkalis and acids. It is suitable for use in computer rooms, circuit board assembly areas, ammunition storage and assemble facilities or any other area requiring dissipation of static electricity.

LIMITATIONS

- Requires 30 minutes induction period.
- 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 the Technical Service Department).
- When required, adequate ventilation shall be provided and proper clothing and respirators worn.
- All foodstuffs must be removed from the work area and areas subject to fumes during the installation and initial cure.
- Extinguish all sources of ignition during the entire installation cycle.
- **Strictly adhere to published coverage rates.**

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:	Black Only
Mix Ratio:	1:1
Induction period required	30 minutes
Volume Solids:	45.6% ± 2%, mixed
Weight Solids:	49.6% ± 2%, mixed
VOC (EPA Method 24):	<100 g/L mixed; 0.83 lb/gal
Viscosity, mixed:	9,850 cps

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns):	4 (100)	6 (150)
~Coverage sq ft/gal (m²/L):	250 (6.4)	400 (10.2)

Drying Schedule @ 4-6 mils (100-150 microns) wet:

	@ 73°F (23°C)	
To touch:	3-5 hours	
To recoat:	5-24 hours	
<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	12 hours @ 50°F (10°C)
	gallon mass	6 hours @ 73°F (23°C)
	gallon mass	6 hours @ 90°F (32°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: 91°F (33°C), ASTM D 93, mixed

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Abrasion Resistance	ASTM D4060, CS17 wheel, 1,000 cycles	100 mg loss
Adhesion	ACI 503R	300 psi concrete failure
Conductivity	ASTM F150-06	25,000 - 1,000,000 ohms
Flammability		Self-extinguishing over concrete
Resistance to Elevated Temperature	MIL-D-3134J	No slip or flow at required temperature of 158°F (70°C)



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APPLICATION

APPLICATION INSTRUCTIONS

1. Premix 3524A (resin) and 3524B (hardener) separately, 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 1 part 3524A (resin) to 1 part 3524B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. Wait 30 minutes for induction period. restir and apply using a short nap roller at a rate of 250 square feet per gallon (6 WFT mils). Allow to cure at least 5 hours prior to topcoating but no more than 24 hours. A light sanding may be required prior to applying topcoat.
3. Inspect primer coat prior to application of system. Test surface resistance in accordance with NFPA 99. Resistance range should be less than 150,000 ohms. If deviation from this range occurs, consult the Technical Service Department immediately.

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. For specific information, contact the Technical Service Department.

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 gallon (3.8L) and 5 gallon (18.9L) containers
Weight:	9.5 ± 0.2 lb/gal; 1.14Kg/L

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.