

Technical Data Sheet



3524

Epoxy Conductive Primer / Sealer

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
- Conductivity Resistance Range of 25,000 - 1,000,000 ohms

TYPICAL USES

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 50F. Substrate temperature must be least 5F 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.**

TYPICAL PHYSICAL PROPERTIES @ 73F

Mix Ratio A:B		1:1
Induction period required		30 minutes
Color		Black only
Solids, by volume		50%
VOC (Volatile Organic Content)		
EPA Method 24		Compliant
SCAQMD Method 304		Compliant
Coverage	@ 4 mils DFT	200 sq. ft.
Pot Life, 1 gallon mass		
ASTM D 2471	@ 50F	12 hours
	@ 73F	6 hours
	@ 90F	6 hours
Cure Time		
	Dry to Touch	1-3 hours
	Recoat	2-24 hours min.
	Light Traffic	16-24 hours min.
	Full Cure	7-10 day
Abrasion Resistance		100 mgs lost
ASTM D 4060, CS17 Wheel,1,000 Cycles		
Resistance to	No slip or flow at required	
Elevated Temperatures	temperature of 158F	
MIL-D-3134-J		
Adhesion		350 psi
ACI 503R		100% concrete failure
Conductivity		25,000 to 1,000,000 ohms
NFPA 99		

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.

STORAGE / APPLICATION

• MATERIAL DELIVERY AND STORAGE

Store materials in accordance instructions, with seals and labels intact and legible. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition. One year shelf life is expected for products stored between 50°F - 90°F.

• 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 2 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.

CHEMICAL RESISTANCE

For comprehensive chemical resistance information, consult the Chemical Resistant Guide and contact the Technical Service Department.

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. All applicable federal, state, local and particular plant safety guidelines must be followed during the handling and installation and cure of these materials. Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state, and local codes.

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.

Disclaimer

The information and recommendations set forth in this document 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(s) offered at the time of publication. Published technical data and instructions are subject to change without notice.

Consult www.generalpolymers.com to obtain the most recent Product Data information and Application instructions.

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.

