

Technical Data Sheet



3564

Static Dissipative Binder Resin

**PRODUCTION 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**

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

**TYPICAL PHYSICAL PROPERTIES @ 73F**

Mix Ratio A:B (by volume)	3:1
Color	Clear and Standard Floor Colors
VOC (Volatile Organic Content)	
EPA Method 24	Compliant
SCAQMD Method 304	Compliant
Pot Life, 1 gallon mass @ 73F ASTM D 2471	35 min
Cure Time	
	Dry to Touch 8 hours min.
	Light Traffic 24 hours min.
	Full Cure 7 days
Abrasion Resistance ASTM D 4060 CS-17 Wheel, 1,000 cycles	70-90 mgs lost
Resistance to Elevated Temperatures MIL-D-3134J	No slip or flow at required temperature of 158F
Adhesion ACI 503R	350 psi (100% concrete failure)
Hardness, Shore D ASTM D 2240	80/75
Flammability	Self-extinguishing over concrete

**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 with the instructions, with seals and labels intact and legible. Maintain temperature within required range. 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 3564 A (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 a low speed drill and Jiffy blade for three minutes and until uniform.
  3. 3564 application varies upon usage.

**NOTE:** Epoxy materials may tend to blush at the surface especially in humid environments. After the surface is primed and before installation of each subsequent coat, surface must be examined for blush (a whitish greasy film and/or low gloss). The blush must be completely removed prior to recoating using warm detergent water or through solvent wipe.

**Epoxy materials will appear to be cured and dry to touch prior to full chemical cross linking. Allow epoxy to cure for 2-3 days prior to exposure to water or other chemicals for best performance.**

## 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](http://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.

