



# Protective & Marine Coatings

## GENERAL POLYMERS® 3561 EPOXY RESIN GLAZE

PART A GP3561 SERIES  
 PART B GP3561B01 STANDARD HARDENER  
 PART B GP3561B02 FAST CURE HARDENER

Revised: February 13, 2019

### PRODUCT INFORMATION

#### PRODUCT DESCRIPTION

**GENERAL POLYMERS 3561 EPOXY RESIN GLAZE** is a high solids, two component epoxy resin used for general purpose decorative aggregate and heavy duty industrial flooring systems. GENERAL POLYMERS 3561 EPOXY RESIN GLAZE possesses a good chemical resistance, with excellent compressive strength and abrasion resistance.

#### ADVANTAGES

- Acceptable for use in USDA inspected facilities
- Good chemical resistance
- High compressive and tensile strength
- Abrasion resistant
- Available with an antimicrobial agent

#### TYPICAL USES

**GENERAL POLYMERS 3561 EPOXY RESIN GLAZE** is used as a clear binder resin for decorative aggregate systems. GENERAL POLYMERS 3561 EPOXY RESIN GLAZE is used as a binder resin in clear and solid color systems including slurry and trowel applied flooring systems. Typical installations include surfacing floors in chemical processing plants, industrial aisles, docks, ramps, kitchens, utility rooms, restrooms, locker rooms, breweries, photographic labs and water and waste and sewage plants. GENERAL POLYMERS 3561 EPOXY RESIN GLAZE can also be used for other surfaces requiring seamless decorative or solid colored heavy duty protective surfacing. Suitable for use in the Mining & Minerals Industry.

#### LIMITATIONS

- Used as a binder / grout resin, or primer only, not to be used as a topcoat.
- 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 General Polymers Technical Service Department).

#### PRODUCT CHARACTERISTICS

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, Gray, Red, Black  
**Mix Ratio:** 4:1  
**Volume Solids:** 91% ± 2%, mixed  
**Weight Solids:** 97% ± 2%, mixed  
**VOC (EPA Method 24):** <50 g/L mixed; 0.41 lb/gal  
**Viscosity, mixed:** 400 cps

#### PRODUCT CHARACTERISTICS (CONT'D)

##### Recommended Spreading Rate per coat:

~Coverage sq ft/gal (m<sup>2</sup>/L): varies according to usage

##### Drying Schedule @ 10 mils (250 microns) wet: @73°F (23°C)

##### Standard Hardener:

**To touch:** 6-8 hours  
**To recoat:** 12-24 hours  
**Light traffic:** 24 hours minimum  
**Full Cure:** 7 days

*If maximum recoat time is exceeded, abrade surface before recoating.*

*Drying time is temperature, humidity, and film thickness dependent.*

**Pot Life:** gallon mass 16 minutes @ 73°F (23°C)

##### Fast Cure Hardener:

**To touch:** 6 hours  
**To recoat:** 8-16 hours  
**Light Traffic:** 18-24 hours  
**Full cure:** 7 days

*If maximum recoat time is exceeded, abrade surface before recoating*

*Drying time is temperature, humidity, and film thickness dependent.*

**Pot Life:** gallon mass 12 minutes @ 73°F (23°C)

**Shelf Life:** 36 months, unopened  
 Store indoors at 50°F (10°C) to 90°F (32°C).

**Flash Point:** >213°F (>100°C), ASTM D 93, mixed

#### PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
<b>Abrasion Resistance</b>	ASTM D4060, CS17 wheel, 1,000 cycles	100 mg loss
<b>Adhesion</b>	ACI 503R	300 psi concrete failure
<b>Compressive Strength</b>	ASTM D 695	10,000 psi
<b>Flammability</b>		Self-extinguishing over concrete
<b>Flexural Strength</b>	ASTM D 790	12,000 psi
<b>Hardness, Shore D</b>	ASTM D 2240	75/65
<b>Resistance to Elevated Temperatures</b>	MIL-D-3134J	No slip or flow at required temperature 158°F (70°C)
<b>Tensile Elongation</b>	ASTM D 638	2-4% min.
<b>Tensile Strength</b>	ASTM D 638	6,000 psi



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#### APPLICATION

##### • APPLICATION INSTRUCTIONS

1. Premix 3561A (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 1 gallon (4 parts) 3561A (resin) to 1 quart (1 part) 3561B (hardener). Mix with low speed drill and Jiffy blade for three minutes and until uniform.
3. Coverage rates will vary depending upon application. Refer to Trafficote #105, TPM #115, or Ceramic Carpet #400 System Bulletin(s) for complete details.

#### 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 quart (1.0L) and  
5 gallon (18.9L) containers

Weight: 9.4 ± 0.2 lb/gal; 1.13 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.