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 September 23, 2014

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 50ºF (10ºC). Substrate temperature must be at least 5ºF (3ºC) 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^2/L)**:** **varies according to usage**

Drying Schedule @ 10 mils (250 microns) wet:

@73˚F (23ºC)

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 (23ºC)

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 (23ºC)

Shelf Life: Part A: 36 months, unopened
Part B (Standard): 36 months, unopened
Part B (Fast Cure): 18 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
Abrasion Resistance	ASTM D4060, CS17 wheel, 1,000 cycles	100 mg loss
Adhesion	ACI 503R	300 psi concrete failure
Compressive Srength	ASTM D 695	10,000 psi
Flammability		Self-extinguishing over concrete
Flexural Strength	ASTM D 790	12,000 psi
Hardness, Shore D	ASTM D 2240	75/65
Resistance to Elevated Temperatures	MIL-D-3134J	No slip or flow at required temperature 158ºF (70ºC)
Tensile Elongation	ASTM D 638	2-4% min.
Tensile Strength	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.

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

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.

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.