

Technical Data Sheet



3561

Epoxy Resin Glaze

PRODUCTION DESCRIPTION

General Polymers 3561 EPOXY RESIN GLAZE is a high solids, two component epoxy resin systems used for general purpose decorative aggregate and heavy duty industrial flooring systems. 3561 EPOXY RESIN GLAZE possess 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

3561 EPOXY RESIN GLAZE is used as a clear binder resin for decorative aggregate systems. 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. 3561 EPOXY RESIN GLAZE can also be used for other surfaces requiring seamless decorative or solid colored heavy duty protective surfacing.

LIMITATIONS

- Used as a binder / grout resin 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 50F. Substrate temperature must be least 5F above the dew point (for lower temperature installation contact General Polymers).
- **Strictly adhere to published coverage rates.**

TYPICAL PHYSICAL PROPERTIES @ 73F

Mix Ratio A:B	4:1
Color	Clear, White, Gray, Red, Black
VOC (Volatile Organic Content)	
EPA Method 24	Compliant
SCAQMD Method 304	Compliant
Pot Life, 1 gallon mass	
ASTM D 2471	
Regular Cure	@ 50F 40 minutes
	@ 73F 16 minutes
	@ 90F 8 minutes
Fast Cure	@ 50F 30 minutes
	@ 73F 12 minutes
	@ 90F 6 minutes
Cure Time	
Regular Cure	
Dry to Touch	12 hours
Recoat	16 hours min.
Light Traffic	24hours min.
Full Cure	7 days
Fast Cure	
Dry to Touch	2-3 hours
Recoat	3-4 hours min.
Light Traffic	8-12 hours min.
Full Cure	7 days
Abrasion Resistance	100 mgs lost
ASTM D 4060, CS-17 Wheel, 1,000 Cycles	
Hardness, Shore D	75/65
ASTM D 2240	
Compressive Strength	10,000 psi
ASTM D 695	
Flexural Strength	12,000 psi
ASTM D 790	
Tensile Strength	6,000 psi
ASTM D 638	
Tensile Elongation	2 - 4% min.
ASTM D 638	
Resistance to Elevated Temperatures	No slip or flow at required temperature of 158F
MIL-D-3134J	
Adhesion	350 psi
ACI 503R	(100% concrete failure)
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 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 3561PA (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.

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.

