Technical Data Sheet

General Polymers®
High performance floor systems

3561C

Conductive / Sparkproof Epoxy Resin Glaze

PRODUCTION DESCRIPTION

General Polymers 3561C CONDUCTIVE / SPARKPROOF EPOXY RESIN GLAZE is a high solids, two-component conductive epoxy resin used as the binder resin and grout coats for the TPM #115 Conductive / Sparkproof Flooring system. 3561C CONDUCTIVE / SPARKPROOF EPOXY RESIN GLAZE offers low viscosity, easy handling and good chemical resistance.

ADVANTAGES

- Chemical and wear resistant
- Conductivity resistance range of 25,000 - 1,000,000,000 ohms

TYPICAL USES

3561C CONDUCTIVE / SPARKPROOF EPOXY RESIN GLAZE is used as a binder resin for conductive mortar systems used in surfacing floors in computer rooms, circuit board assembly areas, flammable material handling areas, black powder storage areas and other installations requiring conductive floor system protection.

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 50F. Substrate temperature must be least 5F above the dew point (for lower temperature installation contact Technical Service Department).
- 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		4:1
Color		Black
VOC (Volatile Organic Content)		
EPA Method 24		Compliant
SCAQMD Method 304		Compliant
Pot Life, 1 gallon mass	@ 50F	40 minutes
ASTM D 2471	@ 73F	16 minutes
	@ 90F	8 minutes
Cure Time	Dry to Touch	12 hours
	Recoat	16 hours min.
	Light Traffic	24 hours min.
	Full Cure	7 days
Abrasion Resistance		0.1 grams lost
ASTM D 4060		
Hardness, Shore D		80/75
ASTM D 2240		
Resistance to		No slip or flow at required
Elevated Temperatures		temperature of 158F
MIL-D-3134J		
Adhesion		350 psi
ACI 503R		(100% concrete failure)
Flammability		Self-extinguishing over concrete
Impact Resistance		Direct, inch pound
MIL-D-3134J		greater than passes
		Reverse, inch pound greater than passes
Resistance Range		25,000 to
NFPA 99		1,000,000 ohms

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 50ºF - 90ºF.

- APPLICATION INSTRUCTIONS

1. Premix 3561CA (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, excerising caution not to whip air into the materials.

2. Add 4 parts 3561CA (4 quarts resin) to 1 part 3561B (1 quart hardener) by volume. Mix with a low speed drill and Jiffy blade for three minutes and until uniform.

3. 3561C application varies upon usage.

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

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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.

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