



# GENERAL POLYMERS® FLOORS

# GP3579 STANDARD EPOXY PRIMER/ BINDER

PART A GP3579  
PART B GP3579B01

SERIES STANDARD HARDENER

Revised 01/12

## PRODUCT INFORMATION

### PRODUCT DESCRIPTION

**GP3579 STANDARD PRIMER / BINDER** is a high solids, clear or pigmented epoxy primer and binder resin. GP3579 STANDARD PRIMER / BINDER is available in clear, red, white and gray, has good blush resistance and is low in viscosity to promote penetration of the concrete substrate and excellent wetting of mortar aggregate.

### ADVANTAGES

- Good blush resistance at room temperature
- Low modulus of elasticity, stress relieving
- Low VOC permitting installation during normal working hours
- Penetrates and reinforces substrates
- Acceptable for use in USDA inspected facilities

### TYPICAL USES

**GP3579 STANDARD PRIMER / BINDER** is a VOC (volatile organic content) compliant epoxy primer for coatings, slurries, mortar overlays, and patches. It can be also used as a binder resin. For slurries, mortar and patching systems.

### LIMITATIONS

- Slab on grade requires vapor/moisture barrier.
- Surface must be clean and dry.
- Cool damp conditions may cause surface blushing.
- Substrate must be structurally sound 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 least 5°F (-15°C) above the dew point (for lower temperature installation contact your local representative).
- When required, adequate ventilation shall be provided and proper clothing and respirators worn.
- **Strictly adhere to published coverage rates.**

### 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.

### PRODUCT CHARACTERISTICS

<b>Color:</b>	Clear, Red, Gray, White
<b>Mix Ratio:</b>	2:1
<b>Volume Solids:</b>	96% ± 2%, mixed
<b>Weight Solids:</b>	96% ± 2%, mixed
<b>VOC (EPA Method 24):</b>	<50 g/L mixed: 0.41 lbs/gal
<b>Viscosity, mixed:</b>	2,100 cps

#### Recommended Spreading Rate per coat:

	Minimum	Maximum
<b>Wet mils (microns):</b>	6 (150)	20 (500)
<b>~Coverage sq ft/gal (m<sup>2</sup>/L):</b>	varies according to usage	

#### Drying Schedule @ 6 mils (150 microns) wet:

	@ 73°F (23°C)
<b>To touch:</b>	6-8 hours
<b>To recoat:</b>	10-20 hours
<i>If maximum recoat time is exceeded, abrade surface before recoating.</i>	
<i>Drying time is temperature, humidity, and film thickness dependent.</i>	
<b>Pot Life:</b>	gallon mass 25-30 minutes @ 73°F (23°C)

<b>Shelf Life:</b>	Part A: 36 months, unopened
	Part B (Standard): 36 months, unopened
	Store indoors at 50°F (10°C) to 90°F (32°C)

**Flash Point:** >230°F (>110°C), ASTM D 93, mixed

### PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
<b>Adhesion</b>	ACI 503R	300 psi concrete failure
<b>Compressive Strength</b>	ASTM D 695	9,000 psi
<b>Flammability</b>		Self-extinguishing over concrete
<b>Flexural Strength</b>	ASTM D 790	6,000 psi
<b>Hardness, Shore D</b>	ASTM D 2240	75/65
<b>Tensile Strength</b>	ASTM D 638	3,000 psi

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PART A GP3579      SERIES  
PART B GP3579B01      STANDARD HARDENER

## PRODUCT INFORMATION

### APPLICATION

#### APPLICATION INSTRUCTIONS

1. Add 2 parts 3579A (resin) to 1 part 3579B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

2. 3579 may be applied via spray, roller or brush. Apply evenly, with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture.

3. 3579 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.**

### 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 your Sherwin-Williams representative.

### 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 gallon (3.8L) 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.