



# Protective & Marine Coatings

## GENERAL POLYMERS® 3580 EPOXY CRACK AND JOINT FILLER

PART A  
PART B

GP3580  
GP3580B01

SERIES  
STANDARD HARDENER

Revised September 23, 2014

### PRODUCT INFORMATION

#### PRODUCT DESCRIPTION

**GENERAL POLYMERS 3580 CRACK AND JOINT FILLER** is a two component, high solids general purpose concrete crack and joint filling compound. GENERAL POLYMERS 3580 Crack and Joint Filler has a unique combination of hardness and flexibility which supports heavy loads while minimizing (reducing) chipping.

#### ADVANTAGES

- High solids
- Penetrates and fills without running
- Sufficiently rigid to support heavy loads at joint edges
- Flexible enough to absorb hard heavy wheeled traffic
- Good wear resistance
- Reduces stress cracking and telegraphing

#### TYPICAL USES

**GENERAL POLYMERS 3580 CRACK AND JOINT FILLER** for heavy use in industrial floors as a concrete crack filler. Can also be used on spalled concrete as a leveling patch with addition of suitable aggregate and proper priming.

#### LIMITATIONS

- Should not be applied to "green" concrete (less than 30 days old, preferably 60 days)
- Joints must be water and frost free.

#### 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>	Gray
<b>Mix Ratio:</b>	1:1
<b>Volume Solids:</b>	85% ± 2%, mixed
<b>Weight Solids:</b>	90% ± 2%, mixed
<b>VOC (EPA Method 24):</b>	<100 g/L mixed; 0.83 lb/gal
<b>Viscosity, mixed:</b>	2,200 cps

#### Drying Schedule (varies according to usage):

	@ 73°F (23°C)	
<b>To touch:</b>	4-8 hours	
<b>Light traffic:</b>	24-72 hours minimum	
<b>Wheeled traffic:</b>	72 hours minimum	
<i>If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.</i>		
<b>Pot Life:</b>	gallon mass	20-30 minutes @ 73°F (23°C)

<b>Shelf Life:</b>	Part A: 36 months, unopened	Part B: 36 months, unopened
	Store indoors at 50°F (10°C) to 90°F (32°C)	
<b>Flash Point:</b>	>230°F (>110°C), ASTM D 93, mixed	

#### PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
<b>Adhesion</b>	ASTM D 4541	180-230 psi
<b>Compressive Strength</b>	ASTM D 695	2,800 psi
<b>Elongation</b>	ASTM D 638	50-60%
<b>Flammability</b>		Self-extinguishing over concrete
<b>Hardness, Shore D Hardness, Shore A</b>	ASTM D 2240	50±10 80±10
<b>Tensile Strength</b>	ASTM D 638	450-500 psi



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#### APPLICATION

##### APPLICATION INSTRUCTIONS

1. Premix 3580A (resin) and 3580B (hardener) separately, using a low speed drill and Jiffy blade. Mix for one minute and/or until uniform.
2. Add 1 part 3580A (resin) to 1 part 3580B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and/or until uniform. 3580 can be poured from plastic or wax cups. For best results, use closed barreled polyethylene caulking or gun kits.
3. 3580 should be applied within 1/4" of the top and allowed to settle for 15-30 minutes. A second application is to be flush with the floor making sure all low spots are filled. An alternate procedure is to overfill the joint leaving a crown which can be shaved flush with a warm razor knife.

##### Application Equipment

Bulk caulk gun or metered pump.

Joint Size	Approximate Lineal Feet per Gallon	Joint Size	Approximate Lineal Feet per Gallon
1/8" x 3/4"	200	3/16" x 2"	50
1/8" x 1"	150	1/4" x 3/4"	100
1/8" x 1 1/4"	125	1/4" x 1"	80
1/8" x 1 1/2"	100	1/4" x 1 1/4"	60
1/8" x 1 3/4"	85	1/4" x 1 1/2"	50
1/8" x 2"	75	1/4" x 1 3/4"	45
3/16" x 3/4"	135	1/4" x 2"	40
3/16" x 1"	100	3/8" x 1"	50
3/16" x 1 1/4"	85	1/2" x 1"	40
3/16" x 1 1/2"	70	3/4" x 1"	25
3/16" x 1 3/4"	60	1" x 1"	20

#### 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: 8.8 ± 0.2 lb/gal; 1.05 Kg/L

#### 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.