



Protective & Marine Coatings

GENERAL POLYMERS® 3580 EPOXY CRACK AND JOINT FILLER

PART A
PART B

GP3580
GP3580B01

SERIES
STANDARD HARDENER

Revised April 11, 2018

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
- Meets USDA requirement for incidental contact

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

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

Drying Schedule (varies according to usage):

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

Shelf Life:	Part A: 36 months, unopened	Part B: 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
Adhesion	ASTM D 4541	180-230 psi
Compressive Strength	ASTM D 695	2,800 psi
Elongation	ASTM D 638	50-60%
Flammability		Self-extinguishing over concrete
Hardness, Shore D Hardness, Shore A	ASTM D 2240	50±10 80±10
Tensile Strength	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

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