



Protective & Marine Coatings

GENERAL POLYMERS® 3513 EPOXY SCRATCH COAT MASTIC

PART A	GP3513	SERIES
PART B	GP3513B61	BLACK HARDENER
PART B	GP3513BW1	WHITE HARDENER

Revised September 23, 2014

PRODUCT INFORMATION

PRODUCT DESCRIPTION

GENERAL POLYMERS 3513 EPOXY SCRATCH COAT MASTIC is a high solids epoxy bughole filler for filling voids and for use as a surface patching compound for concrete. It is formulated for ease of application with squeegee or trowel for non-sag applications.

ADVANTAGES

- Moisture tolerant
- Easy to use
- May be used for vertical, horizontal or overhead applications
- May be used to cove corners
- Acceptable for use in USDA inspected facilities

TYPICAL USES

GENERAL POLYMERS 3513 EPOXY SCRATCH COAT MASTIC is recommended in food and beverage facilities, automotive, electronics, and pharmaceutical facilities.

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 60°F (16°C). Substrate temperature must be at least 5°F (3°C) above the dew point (for lower temperature installation contact the Technical Service Department).
- 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.

For surface preparation, refer to SSPC-SP13/NACE 6 or ICRI 03732, CSP 2-3. Surface must be clean, dry, sound, and offer sufficient profile to achieve adequate adhesion. Minimum substrate cure is 28 days at 75°F (24°C). Remove all form release agents, curing compounds, salts, efflorescence, laitance, and other foreign matter by sandblasting, shotblasting, mechanical scarification, or suitable chemical means. Refer to ASTM D4260. Rinse thoroughly to achieve a final pH between 10.0 and 13.0. Allow to dry thoroughly prior to coating.

PRODUCT CHARACTERISTICS

Color: Gray, White
Mix Ratio: 3:1
Volume Solids: 100% ± 2%, mixed
VOC (EPA Method 24): <100 g/L mixed; 0.83 lb/gal

Recommended Spreading Rate per coat:

~Coverage sq ft/gal (m²/L): **Varies according to usage**

Drying Schedule:

To touch: @ 73°F (23°C) 4 - 6 hours
To recoat: 6 - 24 hours
Full cure: 7 days
If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.

Pot Life:	gallon mass	60 minutes	@ 50°F (10°C)
	gallon mass	45 minutes	@ 73°F (23°C)
	gallon mass	20 minutes	@ 90°F (32°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: 204°F (96°C), ASTM D 93, mixed

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Adhesion	ACI 503R	300 psi concrete failure
Flammability		Self-extinguishing over concrete
Hardness, Shore D	ASTM D 2240	65/70
Tensile Strength	ASTM D 412	2,300 psi
Thermal Cycling	ASTM C 884 (24 hrs. -21°C to 25°C)	No cracking



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APPLICATION

APPLICATION INSTRUCTIONS

Mixing Instructions:

Stir each component with power agitation prior to mixing. Mix 3 Parts A to 1 Part B by volume. Mix with low speed drill and Jiffy blade for three minutes until uniform.

Temperature:

Do not apply when product or ambient or surface temperatures are below 50°F (10°C). Surface temperature must be at least 5°F (3°C) above dew point. Apply Epoxy Scratch Coat Mastic as required by the condition of the concrete to provide a smooth surface.

Spreading Rate:

Spreading Rate depends on the condition of the concrete. Normal coverage is 100 to 150 sq. ft. per gallon.

Note: Epoxy materials will appear to be cured and “dry to touch” prior to full chemical cross linking. Allow epoxy to cure 2-3 days prior to exposure to water or other chemicals for best performance.

May require sanding prior to applying finish coat(s).

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.

ORDERING INFORMATION

Packaging:

Part A: 1½ gallon (5.7L) and
Part B: ½ gallon (1.9L) and

Weight:

8.2 ± 0.2 lb/gal; 0.98 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.