

**Technical Data Sheet**



3513

## Epoxy Scratch Coat Mastic

**PRODUCTION 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
- Low VOC (Volatile Organic Content) allowing for installation in occupied facilities
- May be used for vertical, horizontal or overhead applications
- May be used to cove corners

**TYPICAL USES**

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 60F. Substrate temperature must be least 5F 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.**

**TYPICAL PHYSICAL PROPERTIES @ 73F**

Mix Ratio A:B	3:1	
Color	Gray when mixed	
VOC (Volatile Organic Content)		
EPA method 24, Modified	Compliant	
SCAQMD Method 304	Compliant	
Coverage	Varies	
Pot Life, 1 gallon mass		
	50F	60 minutes
	73F	45 minutes
	90F	20 minutes
Cure Time		
	Dry to Touch	4 hours
	Recoat	6 hours – 30 days
	Full Cure	7 days
Adhesion	350 psi	
ACI 503R	(100% concrete failure)	
Hardness, Shore D	65/70	
ASTM D 2240		
Tensile Strength	2,300 psi	
ASTM D 412		
Thermal Cycling	No Cracking	
ASTM C 884 (24 hours, -21C to 25C)		
Flammability	Self-extinguishing over concrete	

**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. Surface must be clean, dry, sound, and offer sufficient profile to achieve adequate adhesion. Minimum substrate cure is 28 days at 75°F. 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.

**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 50°F - 90°F.

- 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. Surface temperature must be at least 5°F 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.**

**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**

The information and recommendations set forth in this document 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(s) offered at the time of publication. Published technical data and instructions are subject to change without notice.

Consult [www.generalpolymers.com](http://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.

