

**Technical Data Sheet**



3504

High Solids Primer / Sealer

**PRODUCT DESCRIPTION**

General Polymers 3504 HIGH SOLIDS PRIMER/SEALER is a two component, high solids, clear primer/sealer that provides a smooth, blush resistant surface under cool, high humidity conditions. 3504 HIGH SOLIDS PRIMER/SEALER is tack free in 3 1/2 hours.

3504 HIGH SOLIDS PRIMER/SEALER is used in combination with 5531 PRE-PRIMER over vitreous or oily substrates.

**ADVANTAGES**

- Cures at low temperatures (45F)
- Cures blush-free under high humidity (80%)
- Long recoat window
- Excellent metal, glass, wood and concrete sealer

**TYPICAL USES**

3504 HIGH SOLIDS PRIMER/SEALER used as a moisture tolerant primer over properly prepared vitreous substrates such as ceramic tile, quarry tile, glass, polished granite, acid brick and furan grouts.

**LIMITATIONS**

- Substrate must be structurally sound and free of ponding water, bond inhibiting contaminants.
- During application and initial cure cycle substrate and ambient air temperature must be at a minimum of 45F. Substrate temperature must be least 5F above the dew point (for lower temperature application contact the Technical Service Department).
- When required, adequate ventilation shall be provided and proper clothing and respirators worn.

**TYPICAL PHYSICAL PROPERTIES @ 73F**

Mix Ratio A:B	1:1
Color	White, Gray, Clear
VOC (Volatile Organic Content)	
EPA Method 24	Compliant
SCAQMD Method 304	Compliant
Coverage	300-350 sq. ft.
to yield 3.3-3.8 mils DFT	
Pot Life, 1 gallon mass	45 minutes
Cure Times	
Dry to Touch	3-4 hours
Recoat	10-12 hours
Resistance to Elevated Temperature	No slip or flow at required temperature
MIL-D-3134J Section 4.7.5	of 158F
Adhesion	300 psi
ACI 503R	(concrete failure)
Flammability	Self-extinguishing on concrete
Impact Resistance	Direct inch-pounds 160 Reverse inch-pound 80
Abrasion Resistance	100 mgs lost
ASTM D 4060, CS-17 Wheel, 1,000 cycles	

**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.

## 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

1. Premix (if pigmented) 3504B (hardener) using a low speed drill and Jiffy blade for one minute and until uniform, exercising caution not to whip air into the materials.

2. Add 1 part 3504A (resin) to 1 part 3504B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform.

3. Apply via brush, roller, or spray at a rate of 300-350 square feet per gallon, evenly, with no puddles.

## 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.

