

Technical Data Sheet



3557

**SofTop™ Binder Resin**

**PRODUCTION DESCRIPTION**

General Polymers 3557 **SofTop** BINDER RESIN is a high solids, flexible epoxy binder resin for the **SofTop** Decorative Flooring System.

**ADVANTAGES**

- Non-Permeable
- Provides a resilient flooring surface
- Bridges hairline cracks, aids in suppression of reflective cracking of trowel applied flooring due to substrate movement associated with thermal movement.
- Flexible, yet tough
- VOC compliant allowing for installation in occupied facilities
- State of the art chemistry assures long-term flexibility
- Remains flexible at low temperatures
- Excellent adhesion to aggregate and substrate

**TYPICAL USES**

3557 **SofTop** BINDER RESIN is used in commercial facilities, retail stores, operating suites, museums, libraries and long term care 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 50F. Substrate temperature must be least 5F above the dew point (for lower temperature installation contact the Technical Service Department).
- **Strictly adhere to published coverage rates.**
- **Strictly adhere to mixing ratios.**

**TYPICAL PHYSICAL PROPERTIES @ 73F**

Mix Ratio A:B		4:1
Color	Standard or custom colors	
VOC (Volatile Organic Content)		
EPA Method 24		Compliant
SCAQMD Method 304		Compliant
Pot Life, 1 gallon mass	@ 73F	30 minutes
ASTM D 2471		
Cure Time	Dry to Touch	8-12 hours
	Recoat	18-24 hours min.
	Full Cure	7 days
Abrasion Resistance		35 mgs lost
ASTM D 4060, Type Wheel, CS17		
1,000 Cycles		
Binder Resin		
Hardness, Shore A		80/70
24 hours		
Resistance to Elevated Temperatures	No slip or flow at required temperature of 158F	
MIL-D-3134J		
Adhesion		350 psi
ACI 503R		(100% concrete failure)
Flammability	Self-extinguishing over concrete	
Impact Resistance	Direct, inch, pound greater than 160, passes	
ASTM D 2794	Reverse, inch pound greater than 80, passes	

**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 3557A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the material.
2. Add 4 parts 3557A (4 gallons resin) to 1 part 3557B (1 gallon hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform.
3. Refer to SofTop system bulletin for further instructions.

## 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.



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