



Protective & Marine Coatings

GENERAL POLYMERS® 3557 SofTop™ BINDER RESIN EPOXY MEMBRANE

PART A
PART B

GP3557
GP3557B01

SERIES
HARDENER

Revised September 23, 2014

PRODUCT INFORMATION

PRODUCT 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
- State of the art chemistry assures long-term flexibility
- Remains flexible at low temperatures
- Excellent adhesion to aggregate and substrate
- Acceptable for use in USDA inspected facilities

TYPICAL USES

GENERAL POLYMERS 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 60 ° F (16°C). Substrate temperature must be at least 5°F (3°C) above the dew point (for lower temperature installation contact your local sales representative).
- When required, adequate ventilation shall be provided and proper clothing and respirators worn
- **Strictly adhere to published coverage rates**
- **Strictly adhere to mixing ratios**
- **Only use in the SofTop Flooring system**

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:	Standard or Custom Colors
Mix Ratio:	4:1
Volume Solids:	87% ± 2%, mixed
Weight Solids:	90% ± 2%, mixed
VOC (EPA Method 24):	<150 g/L mixed; 1.25 lb/gal
Viscosity, mixed:	3,500 cps

Recommended Spreading Rate per coat:

Wet mils (microns): 40 (1,000)
~Coverage sq ft/gal (m²/L): Refer to SofTop System Bulletin

Drying Schedule @ 6 mils (150 microns) wet:

	@ 73°F (23°C)	
To touch:	8-12 hours	
To recoat:	18-24 hours	
Full cure:	7 days	
<i>If maximum recoat time is exceeded, abrade surface before recoating.</i>		
<i>Drying time is temperature, humidity, and film thickness dependent.</i>		
Pot Life:	gallon mass	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: >238°F (>114°C), ASTM D 93, mixed

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Abrasion Resistance	ASTM D4060, CS17 wheel, 1,000 cycles	35 mgs loss
Adhesion	ACI 503R	300 psi concrete failure
Elongation@ Break	ASTM D 412	130-145%
Flammability		Self-extinguishing over concrete
Hardness, Shore A 24 hours	ASTM D 2240	80/70
Resistance to Elevated Temperatures	MIL-D-3134J	No slip or flow at required temperature of 158°F (70°C)
Thermal Cycling 24 hrs., -21°C - 25°C	ASTM C 884	No cracking



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APPLICATION

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 GENERAL POLYMERS SofTop system bulletin for further instructions.

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.

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: 1 gallon (3.8L) and
5 gallon (18.9L) containers
Part B: 1 quart (1.0L) and
5 gallon (18.9L) containers
Weight: 10.3 ± 0.2 lb/gal; 1.23 Kg/L

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.