



Protective & Marine Coatings

GENERAL POLYMERS® 3501 MOISTURE GUARD

PART A
PART B

GP3501
GP3501B01

SERIES
HARDENER

Revised November 16, 2017

PRODUCT INFORMATION

PRODUCT DESCRIPTION

GENERAL POLYMERS 3501 MOISTURE GUARD is a high solids, moisture tolerant epoxy. It creates a barrier reducing damaging moisture transmission through concrete substrates to wood flooring. **GENERAL POLYMERS 3501 MOISTURE GUARD** thoroughly wets out the substrate and bonds aggressively to it.

ADVANTAGES

- Helps prevent buckling and delamination of wood flooring
- Provides excellent bonding surface
- Spreads easily without skips or voids
- Proven performance record

TYPICAL USES

GENERAL POLYMERS 3501 MOISTURE GUARD can be used to protect parquet, block and other hardwood floors from substrate vapor and moisture damage.

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 50°F (10°C). Substrate temperature must be 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.
- All foodstuffs must be removed from the work area and areas subject to fumes during the installation and initial cure.
- Extinguish all sources of ignition during the entire installation cycle.
- 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.

PRODUCT CHARACTERISTICS

Color: Amber
Mix Ratio: 4:1
Viscosity: 200-250 cps
Volume Solids: 85% ± 2%, mixed
Weight Solids: 94% ± 2%, mixed

VOC (EPA Method 24): <100 g/L mixed; 0.83 lb/gal

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns):	4 (100)	6.4 (160)
~Coverage sq ft/gal (m²/L):	250 (6.4)	400 (10.2)

Drying Schedule @ 6 mils (150) microns) wet:

	@ 73°F (23°C)
To touch:	3 hours
To recoat:	6 hours minimum
Light traffic:	8 hours minimum
Full Cure:	24 hours

If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.

Pot Life:	50°F (10°C)	8 hours
	73°F (23°C)	6 hours
	90°F (32°C)	4 hours

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: >250°F (>121°C), ASTM D 93, mixed

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Adhesion	ACI 503R	300 psi concrete failure
Flammability		Self-extinguishing over concrete



Protective & Marine Coatings

GENERAL POLYMERS® 3501 MOISTURE GUARD

PART A
PART B

GP3501
GP3501B01

SERIES
HARDENER

Revised November 16, 2017

PRODUCT INFORMATION

APPLICATION

APPLICATION INSTRUCTIONS

1. Add 4 parts 3501A (resin) to 1 part 3501B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
2. Apply 3501 using a squeegee or trowel and back roll using a 1/4" nap roller at a spread rate of 250-400 square feet per gallon to yield 4-6 mils WFT with no puddles making sure of uniform coverage. **Take care not to puddle materials and insure even coverage.** To eliminate roller marks and lines, cross rolling is recommended.
3. Allow to cure 24 hours minimum before opening to traffic.

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.

ORDERING INFORMATION

Packaging:	
Part A:	1 gallon (3.8L) and 4 gallon (15.2L) containers
Part B:	0.25 gallon (0.95L) and 1 gallon (3.8L) containers
Weight:	9.8 ± 0.2 lb/gal; 1.20 Kg/L

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.

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.

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.