



Protective & Marine Coatings

RESUPRIME™ 3504 HIGH SOLIDS PRIMER / SEALER

PART A
PART B

GP3504
GP3504B01

SERIES
HARDENER

Revised: January 28, 2025

PRODUCT INFORMATION

PRODUCT DESCRIPTION

RESUPRIME 3504 is a two component, high solids, clear primer/sealer that provides a smooth, blush resistant surface under cool, high humidity conditions. It is tack free in 3.5 hours.

ADVANTAGES

- Cures at low temperatures: 45°F (7°C)
- Cures blush-free under high humidity (80%)
- Long recoat window
- Excellent metal, glass, wood and concrete sealer
- Acceptable for use in USDA inspected facilities

TYPICAL USES

RESUPRIME 3504 is used as a general service, moisture tolerant primer for urethane or epoxy topcoats. It is used in combination with Resuprime 5531 Pre-Primer / Tack Coat 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 45°F (7°C). Substrate temperature must be least 5°F (3°C) above the dew point (for lower temperature application contact your Sherwin-Williams representative).
- When required, adequate ventilation shall be provided and proper clothing and respirators worn

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:	White, Gray, Clear Amber
Mix Ratio:	1:1
Viscosity:	150 cps
Volume Solids:	69% ± 2%, mixed
Weight Solids:	72% ± 2%, mixed
VOC (EPA Method 24):	<100 g/L mixed; 0.83 lb/gal

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns):	4.5 (0.13)	5 (0.15)
~Coverage sq ft/gal (m²/L):	355 (9.0)	320 (8.1)

Drying Schedule @ 4 mils (100 microns) wet:

@ 73°F (23°C)

To recoat: Min: 4 Hours, Max: 24 Hours

If maximum recoat time is exceeded, abrade surface before recoating.

Drying time is temperature, humidity, and film thickness dependent.

Pot Life: gallon mass 45 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: 48°F (8.9°C), ASTM D 93, mixed

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Abrasion Resistance	ASTM D 4060, CS17 wheel, 1000 cycles	100 mg loss
Adhesion	ACI 503R	300 psi concrete failure
Flammability		Self-extinguishing over concrete
Impact Resistance	ASTM D 2794	Direct inch-pound greater than 160, passes Reverse, inch-pound greater than 80, passes
Resistance to Elevated Temperature	MIL-D-3134J Section 4.7.5	No slip or flow at required temperature of 158°F (70°C)



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APPLICATION

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 320-355 square feet per gallon, evenly, with no puddles.

TINTING

Do not tint.

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 SDS 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 your Sherwin-Williams representative.

ORDERING INFORMATION

Packaging:	
Part A:	1 gallon (3.8L) and 5 gallon (18.9L) containers
Part B:	1 gallon (3.8L) and 5 gallon (18.9L) containers
Weight:	
9.1 ± 0.2 lb/gal; 1.10 Kg/L mixed, may vary by color	

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.