



Protective & Marine Coatings

RESUFLOTM 3521 EPOXY PRIMER / BINDER

PART A
PART B

GP3521
GP3521B01

SERIES
HARDENER

Revised: December 17, 2021

PRODUCT INFORMATION

PRODUCT DESCRIPTION

RESUFLO 3521 Epoxy Primer / Binder is a high solids, moisture tolerant epoxy used as a mortar underlayment system designed for sloping and filling applications. The superior wetting properties of the binder resin allow high aggregate loading, providing a cost effective alternative to slower curing materials.

ADVANTAGES

- Low modulus of elasticity, stress relieving epoxy
- Fast setting, next day turnaround
- 6" in single lift
- Moisture tolerant
- Cost effective

TYPICAL USES

RESUFLO 3521 Epoxy Primer / Binder is typically used in new construction and renovation projects that require deep patching or sloping underlayment. Also used for repairing deep holes and gouges, changing the pitch to an existing slab, or leveling uneven concrete slabs.

LIMITATIONS

- Slab on grade requires vapor/moisture barrier
- 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 at least 5°F (3°C) above the dew point (for lower temperature installation contact your Sherwin-Williams representative).
- 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:	Clear Amber
Mix Ratio:	2:1
Volume Solids:	97% ± 2%, mixed
Weight Solids:	98% ± 2%, mixed
VOC (EPA Method 24):	<100 g/L mixed ; 0.83 lb/gal

Pot Life:	gallon mass	40 minutes	@ 73°F (23°C)
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Shelf Life:	Part A: 36 months, unopened Part B: 36 months, unopened Store indoors at 50°F (10°C) to 90°F (32°C)
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Flash Point:	268°F (131°C), ASTM D 93, mixed
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PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Adhesion	ACI 503R	300 psi concrete failure
Compressive Strength	ASTM D 695	10,000 psi
Flammability		Self-extinguishing over concrete
Flexural Strength	ASTM D 790	4,000 psi
Resistance to Elevated Temperature	MIL-D-3134J	No slip or flow at required temperature of 158°F (70°C)
Tensile Strength	ASTM D 638	2,500 psi



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APPLICATION

APPLICATION INSTRUCTIONS (refer to Epoxy Terrazzo Fill Mortar/Screed for complete instructions):

Add 2 parts 3521A (resin) to 1 part 3521B (hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes and until uniform. Apply via brush, roller, or spray at a rate of 250 square feet per gallon (6 WFT mils). Wait 1-3 hours for primer to become tacky. This prevents primer from sliding during mortar placement. If primer is to be allowed to cure for more than 4 hours, broadcast lightly but uniformly with clean, dry 20-30 mesh aggregate.

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)

Part B: 1 gallon (3.8L) containers
5 gallon (18.9L)

Weight: 10.6 ± 0.2 lb/gal; 1.27 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.