



Protective & Marine Coatings

GENERAL POLYMERS® 3526 LOW TEMPERATURE MULTI-PURPOSE EPOXY RESIN

PART A
PART B

GP3526
GP3526B01

SERIES
HARDENER

Revised September 23, 2014

PRODUCT INFORMATION

PRODUCT DESCRIPTION

GENERAL POLYMERS 3526 LOW TEMPERATURE MULTI-PURPOSE EPOXY RESIN is a two-component, high solids epoxy resin designed for use in concrete toppings, slurries, machine grouting, beam repair and preservation of concrete where rapid cure, moisture tolerance and chemical resistance are important. Systems using GENERAL POLYMERS 3526 LOW TEMPERATURE MULTI-PURPOSE EPOXY RESIN can be installed at temperatures as low as 35°F (2°C).

GENERAL POLYMERS 3526 LOW TEMPERATURE MULTI-PURPOSE EPOXY RESIN is also suitable for pressure injection installations involving the preservation and rebuilding of cracked or in certain cases, delaminated concrete. The low viscosity and excellent wetting of GENERAL POLYMERS 3526 LOW TEMPERATURE MULTI-PURPOSE EPOXY RESIN allows rapid penetration and bonding in minor hairline cracks or wide openings up to 1/8" - 1/4". It is also designed for use in inclement weather conditions and can be applied to damp, cold concrete surfaces.

ADVANTAGES

- Acceptable for use in USDA inspected facilities
- Low temperature cure, down to 35°F (2°C)
- Blush resistant
- Low viscosity
- Chemical resistant
- Fast cure time
- Can be used as a primer, binder, and seal coat

TYPICAL USES

GENERAL POLYMERS 3526 LOW TEMPERATURE MULTI-PURPOSE EPOXY RESIN can be used in cool areas where standard cure epoxies won't cure. In addition, it can be used in areas where a rapid cure and chemical resistance is important. Suitable for use in the Mining & Minerals Industry.

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 35°F (2°C). Substrate temperature must be least 5°F (3°C) above the dew point (for lower temperature installation contact the Technical Service Department).
- Lower temperatures will prolong cure times.
- 3526 will discolor over time and with UV exposure. Avoid light colors when aesthetics are a priority.
- 3526 has a low pigment level when used as a coating, two coats (10-12 mils) are required to achieve complete hiding.
- Higher temperatures will shorten cure times.
- Do not apply over frozen substrates.

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, Charcoal, Steel Gray, Classic Tile Red
Mix Ratio:	3:1
Volume Solids:	98% ± 2%, mixed
Weight Solids:	98% ± 2%, mixed
VOC (EPA Method 24):	<50 g/L mixed; 0. 41 lb/gal
Viscosity, mixed:	1,135 cps

Recommended Spreading Rate per coat:

~Coverage sq ft/gal (m²/L): varies according to usage

Drying Schedule @ 10 mils (250 microns) wet:

	@72°F (22°C)
To touch:	4 hours
To recoat:	12-24 hours
Light traffic:	15 hours minimum
Full Cure:	7 days

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

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

Pot Life: gallon mass 30 minutes @ 72°F (22°C)

Shelf Life: Part A: 36 months, unopened
Part B (Standard): 36 months, unopened
Store indoors at 50°F (10°C) to 90°F (32°C)

Flash Point: 205°F (96°C), ASTM D 93, mixed

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Abrasion Resistance	ASTM D4060, CS17 wheel, 1,000 cycles	100 mg loss
Adhesion	ACI 503R	300 psi concrete failure
Compressive Strength	ASTM D 695	10,000 psi
Flammability		Self-extinguishing over concrete
Hardness, Shore D	ASTM D 2240	75
Resistance to Elevated Temperatures	MIL-D-3134J	No slip or flow at required temperature 158°F (70°C)



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APPLICATION

APPLICATION INSTRUCTIONS

1. Premix 3526A (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 3 parts 3526A (resin) to 1 part 3526B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform.
3. 3526 application varies upon usage.

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.

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.

ORDERING INFORMATION

Packaging:	
Part A:	3 gallon (11.4L) and 5 gallon (18.9L) containers
Part B:	1 gallon (3.8L) and 5 gallon (18.9L) containers
Weight:	9.17 ± 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

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