

Technical Data Sheet



3526

Low Temperature Multi-Purpose Epoxy Resin

PRODUCTION 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 3526, 3526P LOW TEMPERATURE MULTI-PURPOSE EPOXY RESIN can be installed at temperatures as low as 35F.

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 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

- Low temperature cure, down to 35F
- Blush resistant
- Low viscosity
- Chemical resistant
- Fast cure time
- Can be used as a primer, binder, and seal coat

TYPICAL USES

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.

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 35F. Substrate temperature must be least 5F above the dew point (for lower temperature installation contact the Technical Service Department).
- Lower temperatures will prolong cure times.

LIMITATIONS (CONTINUED)

- 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.

TYPICAL PHYSICAL PROPERTIES @ 73F

Mix Ratio A:B	3:1
Color	Clear, Charcoal, Steel Gray and Classic Tile Red
VOC (Volatile Organic Content) EPA Method 24	Compliant
SCAQMD Method 304	Compliant
Coverage	Varies by usage
Pot Life, 1 gallon mass ASTM D 2471 Apply @ 50F / Material Mixed @ 50F	30 minutes
Hardness, Shore D @ 20 hours ASTM D 2240	75
Abrasion Resistance ASTM D 4060, Wheel CS17, 1,000 Cycles	100 mgs lost
Resistance to Elevated Temperatures MIL-D-3134J	No slip or flow at required temperature of 158F
Adhesion ACI 503 R	350 psi (100% concrete failure)
Flammability	Self-extinguishing over concrete

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.

STORAGE / APPLICATION

• MATERIAL DELIVERY AND STORAGE

Store materials in accordance instructions, with seals and labels intact and legible. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition. One year shelf life is expected for products stored between 50°F - 90°F.

• 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.

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. All applicable federal, state, local and particular plant safety guidelines must be followed during the handling and installation and cure of these materials. Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state, and local codes.

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 document 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(s) offered at the time of publication. Published technical data and instructions are subject to change without notice.

Consult www.generalpolymers.com to obtain the most recent Product Data information and Application instructions.

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.

