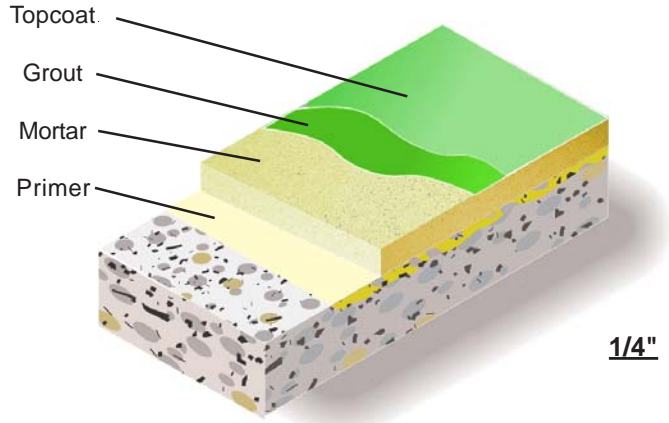




TPM® #126 LOW TEMPERATURE CURE TROWELED TOPPING

General Polymers TPM #126 LOW TEMPERATURE CURE TROWELED TOPPING SYSTEM is an epoxy floor system designed for low temperature installations as low as 35°F and can be applied to damp, cold concrete. TPM #126 LOW TEMPERATURE CURE TROWELED TOPPING SYSTEM provides a high-build (1/4") protection in a fast-turnaround environment because of the fast cure, 100% solids epoxy resin that is used as the primer, binder resin, grout and seal coats.



Advantages

- VOC compliant for low odor during installation
- Low temperature cure
- Does not blush
- Moisture tolerant
- Fast project turnaround

Uses

- Commercial kitchen coolers and walk in boxes
- Packing and storage areas
- Pharmaceuticals
- Chemical production
- Laboratories
- Food and beverage facilities

Typical Physical Properties

Color	Tile Red, Gray, Charcoal
VOC (Volatile Organic Content)	
EPA Method 24	Compliant
SCAQMD Method 304	Compliant
Compressive Strength	10,000-12,000 psi
ASTM C 579 (Based on aggregate size and grade)	
Tensile Strength	2,300 psi
ASTM C 307	
Flexural Strength	4,500 psi
ASTM C 580	
Adhesion	350 psi
ACI 503R	(100% concrete failure)
Abrasion Resistance	70-90 mgs lost
ASTM D 4060, CS-17 Wheel, 1,000 cycles	
Impact Resistance	Withstands 16 ft lbs
MIL-D-3134, Sec.4.7.3	without cracking, delamination or chipping
Flammability	Self-extinguishing over concrete
Resistance to Elevated Temperatures	No slip or flow at required temperature
MIL-D-3134J	of 158°F

Installation

The following information is to be used as a guideline for the installation of the TPM #126 LOW TEMPERATURE CURE TROWELED TOPPING SYSTEM. Contact the Technical Service Department for assistance prior to application.

Surface Preparation - General

General Polymers systems can be applied to a variety of substrates, if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Technical Service Department prior to starting the project. Refer to Surface Preparation (Form G-1).

Surface Preparation - Concrete

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile equal to CSP 4-6. Refer to Form G-1.

After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections. Protrusions shall be ground smooth while voids shall be filled with a General Polymers system filler. For recommendations, consult the Technical Service Department.

Temperature

Throughout the application process, substrate temperature should be 35°F minimum. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrates should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight, if possible.

Application Information

Material	Mix Ratio	Theoretical Coverage Per Coat Concrete	Packaging
Primer 3526	3:1	200 sq. ft. / gal	4 or 20 gals
Mortar 3526 5115*	3:1	105 sq. ft. / 4 gal @ 1/4" 224 lbs / 4 gal	4 or 20 gals 50 lbs
Grout Coat 3526	3:1	100 sq. ft. / gal	4 or 20 gals
Seal Coat 3526	3:1	100 sq. ft. / gal	4 or 20 gals

*** Additional 5115 aggregate may be added to 1 gallon of mixed epoxy to facilitate power troweling (10 lbs. recommended).**

Primer

Mixing and Application

1. Premix 3526A (resin) using a low speed drill and Jiffy mixer. 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 mixer for three minutes and until uniform. Apply via brush, roller, or spray at a rate of 200 square feet per gallon (8 WFT mils). Wait 1-3 hours for primer to become tacky. This prevents primer from bleeding through and sliding during mortar placement. If primer is to be allowed to cure for more than 4 hours, broadcast lightly but uniformly with clean, dry 40-60 mesh aggregate.

Mortar

Mixing and Application

1. Premix 3526A (resin) using a low speed drill and Jiffy mixer. Mix for one minute and until uniform, exercising caution not to whip air into the material.
2. Add 3 parts 3526A (3 gallons resin) to 1 part 3526B (1 gallon hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes and until uniform. Place mixed 3526 into mixer. Slowly add 224 pounds of 5115 Trowel Mortar Aggregate Blend. Mix until aggregate is thoroughly "wet out". Immediately dump mortar onto substrate and screed to desired thickness.
3. Compact and smooth the mortar using a hand or power trowel. Allow to cure overnight.

Grout Coat

Mixing and Application

1. Premix 3526A (resin) using a low speed drill and Jiffy mixer. 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 mixer for three minutes and until uniform.
3. Apply 3526 using a spring steel trowel or red rubber squeegee and back roll with a 1/4" nap roller at a spread rate of 100 sq. ft. per gallon to yield 16 mils WFT. Allow to cure overnight.

Seal Coat

Mixing and Application

1. Premix 3526A (resin) using a low speed drill and Jiffy mixer. 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 mixer for three minutes and until uniform.
3. Apply 3526 using a 1/4" nap roller at a spread rate of 100 sq. ft. per gallon to yield 16 mils WFT. Allow to cure overnight before opening to traffic.

Application Equipment

Brush / Roller

Use 1/4" phenolic core rollers and professional quality, medium stiff natural bristle brushes.

Trowel

Use steel finishing trowel or epoxy mortar power trowel such as manufactured by Superior.

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.

Material Storage

Store materials in a temperature controlled environment (50°F - 90°F) and out of direct sunlight.

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.

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.

