

**Technical Data Sheet**



**3505**

**Stipple Epoxy Floor Coating**

**PRODUCT DESCRIPTION**

General Polymers 3505 STIPPLE EPOXY FLOOR COATING is a high solids, high performance epoxy coating that has been designed to provide a high gloss, stipple finish with above average chemical resistant protection. It offers protection against splash, spillage and fumes of many process chemicals, caustic cleaners, oils, fuels and acids. 3505 STIPPLE EPOXY FLOOR COATING provides an attractive stipple finish and should be used wherever a high-build, low odor protective coating is required.

**ADVANTAGES**

- High gloss finish
- Chemical and abrasion resistant
- High mil build per coat speeds project turnaround
- Good hiding
- Acceptable for use in USDA inspected facilities
- Available with an antimicrobial agent

**TYPICAL USES**

3505 STIPPLE EPOXY FLOOR COATING is a 100% solids coating which has no offensive solvent odor typical of other industrial coatings. This allows installation in occupied areas and also permits use on previously painted surfaces (with proper surface preparation) without fear of lifting the existing coating. 3505 STIPPLE EPOXY FLOOR COATING can be used in food and meat processing facilities, breweries and pharmaceutical plants. Other applications include power generation plants, waste treatment, manufacturing and warehousing facilities.

**LIMITATIONS**

- Standing water can leave a stain or alter color.
- Light colors may require two coats for proper hiding.
- 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 50F. Substrate temperature must be least 5F above the dew point (for lower temperature installation contact the Technical Service Department).
- **Strictly adhere to published coverage rates.**
- **This coating though resistant, is not a guarantee against tire staining. Vehicular tires from cars and trucks to tractors and boat trailers are varied and have the potential to leave a brown stain under certain conditions. Place rubber mats or carpet pieces under the tires to avoid the issue.**

**TYPICAL PHYSICAL PROPERTIES @ 73F**

Mix Ratio A:B	4:1
Color	Standard Colors Computerized custom color matching available upon request
VOC (Volatile Organic Content)	
EPA Method 24	Compliant
SCAQMD Method 304	Compliant
Coverage @ 8 mils WFT	160-200 sq. ft.
Pot Life, 1 gallon mass	@ 50F 185 minutes
ASTM D 2471	@ 73F 40 minutes
	@ 90F 20 minutes
Cure Time @ 6 mils	Dry to Touch 10-12 hours
	Recoat 14-24 hours min.
	Light Traffic 24 hours min.
	Full Cure 7 days
Abrasion Resistance	100 mgs lost
ASTM D 4060, Type Wheel, CS17	
	1,000 Cycles
Hardness, Shore D	65
24 hours	
Resistance to	No slip or flow at required
Elevated Temperatures	temperature of 158F
MIL-D-3134J	
Adhesion	300 psi
ACI 503R	(concrete failure)
Flammability	Self-extinguishing over concrete
Impact Resistance	Direct, inch, pound
ASTM D 2794	greater than 160, passes
	Reverse, inch pound
	greater than 80, passes
Gloss	90 millage units
60° Gloss Meter @ 73F, 50% RH	

## 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 3505A (resin) using a low speed drill and Jiffy blade for one minute and until uniform, exercising caution not to introduce air into the material.

2. Add 4 parts 3505A (resin) to 1 part 3505B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

3. Apply 3505 using a squeegee or trowel and back roll using a 1/4" nap roller at a spread rate of 200 square feet per gallon to yield 8 mils WFT with no puddles making sure of uniform coverage. **Take care not to puddle materials and insure even coverage.**

4. Allow to cure 24 hours minimum before opening to traffic.

**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](http://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.

