



GENERAL POLYMERS® FLOORS

FASTOP™ 12TC URETHANE COATING

PART A
PART B
PART C

GP4090A01
GP4090B01
GP5095C01

SERIES
HARDENER
AGGREGATES

Revised 04/14

PRODUCT INFORMATION

PRODUCT DESCRIPTION

FASTOP 12TC URETHANE COATING is a 3 part, low gloss coating for use over all FasTop Systems. **FASTOP 12TC** can also be used to reestablish non-skid properties to an existing resinous floor as a protective coating or a safety coating direct to concrete.

ADVANTAGES

- Resistant to a wide range of chemicals

28 Day Exposure @ 72°F	Result
NE= No Effect	
Alcohol	NE
Ethylene Glycol	NE
Fats, Oils & Sugars	NE
Gasoline, Diesel & Kerosine	NE
Hydrochloric Acid (<35%)	Yellowing
Lactic Acid (Milk)	NE
Mineral Oils	NE
Most Organic Solvents	NE
Muriatic Acid	NE
Nitric Acid (<10%)	Yellowing
Nitric Acid (<30%)	Yellowing
PM Acetate	NE
Phosphoric Acid (<50%)	NE
Potassium Hydroxide (<50%)	NE
Sodium Hydroxide (<50%)	NE
Sulfuric Acid (<50%)	Yellowing
Water	NE
Xylene	NE

- Rapid cure and hardness development
- May be applied direct to prepared concrete
- Water-based
- Low temperature cure @ 40°F (4°C)
- Acceptable for use in USDA inspected facilities
- Impact and abrasion resistant
- Moisture insensitive

TYPICAL USES

FASTOP 12TC URETHANE COATING is a finish coat for all FasTop systems or direct to concrete as a non-skid coating.

LIMITATIONS

- Do not install in drafty conditions allowing air movement to pass over the coating while being installed.
- Do not premix Part A or Part B
- Substrate must be structurally sound and free of bond inhibiting contaminants.
- During installation and initial cure cycle, substrate and ambient air temperature must be at a minimum of 40°F(4°C) and 90°F (32°C) maximum. Substrate temperature must be at least 5°F (3°C) above the dew point (for lower temperature installation contact the Technical Service Department).
- When required, adequate ventilation shall be provided and proper clothing and respirators worn.
- Do not install in open areas during rain.
- Strictly adhere to published coverage rates.**

PRODUCT CHARACTERISTICS

Color:	Red, Gray, Yellow, Neutral
Mix Ratio: A:B:C	Pre-measured A and B components Plus 8 lbs aggregate (GP5095) TC = 1.25 gallons per kit
Viscosity, mixed:	600 cps
Volume Solids:	59% ± 2%, mixed
Weight Solids:	90% ± 2%, mixed
VOC (EPA Method 24):	<50 g/L mixed; 0.41 lb/gal

Recommended Spreading Rate per kit:

	Minimum	Maximum
Wet mils (microns):	6.0 (150)	20.0 (500)
~Coverage sq ft/gal (m²/L):	80 (7.4)	250 (23.2)

Drying Schedule @ 6 mils (150 microns) wet:

	@ 73°F (23°C)
To touch:	4 hours
Light Foot Traffic:	6 hours
Heavy traffic:	12-18 hours minimum
Full Cure:	24 hours

*If maximum recoat time is exceeded, abrade surface before recoating.
Drying time is temperature, humidity, and film thickness dependent.*

Pot Life: gallon mass 10-15 minutes @ 73°F (23°C)

Shelf Life:	Part A: 36 months, unopened Part B: 36 months, unopened
Flash Point:	Store indoors at 50°F (10°C) to 90°F (32°C). >212°F (>100°C), ASTM D 93, mixed

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Abrasion Resistance	ASTM D 4060, CS17 wheel, 1000 cycles	20-30 mg loss
Adhesion	ACI 503R	350 psi concrete failure
Compressive Strength	ASTM C 579	>6,000 psi
Critical Radiant Flux	ASTM E 648	>1.0
Dry Heat Resistance	ASTM D 2485	250°F (121°C)
Flammability		Self-extinguishing over concrete
Flexural Strength	ASTM C 580	3,700 psi
Hardness, Shore D	ASTM D 2240	>80
Impact Resistance	MIL-D-3431, Sec 4.7.3	Withstands 16 ft/lbs without cracking, delamination of chipping
Shrinkage		Nil
Smoke Density	ASTM E 662	224-236
Tensile Strength	ASTM D 412	1,750 psi
Water Absorption		Nil



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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.

APPLICATION

• APPLICATION INSTRUCTIONS

DO NOT PREMIX Part A or Part B

1. Combine GP4090A (resin) with GP5095 Part C (aggregate) TC = 1.25 gallons per kit and mix until lump free, approximately 60-90 seconds, the product will thicken and become creamy, which lessens the potential for fine cement/pigment balls to form. Add part B and mix until fully combined and uniform in color, approximately 30 seconds.

2. Apply FASTOP 12TC using trowel, squeegee, grout float and backroll with a 1/4" - 3/8" nap roller to remove any marks and provide uniform texture, in thicker films >10 mils loop rollers may also prove effective. Spread at a rate of 80-120 square feet per gallon, evenly, with no puddles making sure of uniform coverage. **Take care not to puddle materials and insure even coverage.**

NOTE: Do not dip and roll. Do not roll out of a puddle or ribbon.

3. Allow to cure 6 hours minimum before opening to light foot traffic. If recoating is required, abrade surface before recoating.

* When applied direct to concrete, FasTop 12TC can be loop rolled after 20-30 minutes to create a non-skid coating without the addition of broadcast aggregate. Contact Tech Service for details.

ORDERING INFORMATION

Packaging:

Part A:	64 oz. in gallon container
Part B:	51.2 oz in gallon container
Part C:	8 lbs. per bag

Weight: 16.13 ± 0.2 lb/gal; 1.9 Kg/L

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.

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.