

## FASTOP® TOPFLOOR SL13

Sherwin-Williams FasTop Topfloor SL13 is a self-leveling slurry to be applied at 1/16" smooth finish or broadcast with aggregate to yield 1/8" with a non-skid finish. FasTop Topfloor SL13 can be applied with a 3/8" x 3/8" notched squeegee, notched trowel or screed rake. FasTop Topfloor SL13 is designed for light to moderate traffic and abuse while still providing the many benefits of a urethane concrete system. For heavier abuse or traffic, see other FasTop Systems. It is designed to protect concrete and steel substrates from thermal shock, impact, corrosion and chemical attack.

### BENEFITS

- Can be applied to "green" concrete
- Rapid cure and hardness development
- Water based
- Hot cooking oil and steam resistance
- Low temperature cure
- Will not lose bond due to thermal shock
- Impact resistant
- Moisture resistant
- Unlimited MVER/RH when installed at 1/8". Up to 90% RH or 8 lb. MVER when installed at 1/16" with non-permeable finish
- Acceptable for use in USDA inspected facilities

### USES

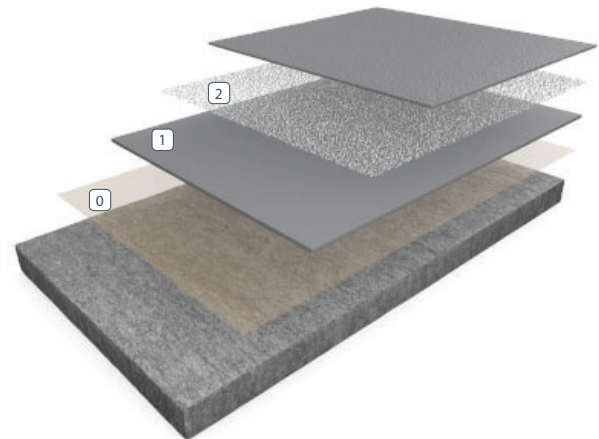
- Warehouses
- Manufacturing flooring
- Aircraft hangars
- Garages

### LIMITATIONS

- Protect material from freezing

28 Day Exposure @ 72°F

	Result
Alcohol	NE
Ethylene Glycol	NE
Fats, Oils & Sugars	NE
Gasoline, Diesel & Kerosine	NE
Hydrochloric Acid (<35%)	NE
Lactic (Milk) Acid	NE
Mineral Oils	NE
Most Organic Solvents	NE
Muriatic Acid	NE
Nitric Acid (<10%)	NE
Nitric Acid (<30%)	NE
PM Acetate	NE
Phosphoric Acid (<50%)	NE
Potassium Hydroxide (<50%)	NE
Sodium Hydroxide (<50%)	NE
Sulfuric Acid (<50%)	NE
Water	NE
Xylene	NE



- 0 Primer (Optional)
- 1 Slurry
- 2 Broadcast Silica or Alum Oxide
- 3 Seal Coat

### TYPICAL PHYSICAL PROPERTIES

Color	Red, Light Gray or Dark Gray
Decorative Upgrade	Selected Ceramic Carpet Blends
Cure Time Recoat	12 hours
Foot Traffic	6-8 hours
Full Service	10-12 hours
Abrasion Resistance	
ACS-17 Wheel, 1,000 cycles	20-30 mgs lost
Hardness, Shore D	75
ASTM D 2240	
Tensile Strength	
ASTM C 307	550-600 psi
Compressive Strength	
ASTM C 579	5,000 psi
Flexural Strength	
ASTM C 580	3,700 psi
Adhesion	300 psi
ACI 503R	concrete failure
Impact Resistance	Withstands 16 ft. lbs without
ML-D-3134, Sec.4.7.3	cracking, delamination or chipping
Flammability	Self-Extinguishing over concrete
Critical Radiant Flux	
ASTM E 648	>1.0
Smoke Density	
ASTM E 662	287-346
Coefficient of Friction	
ASTM D 2047	>0.80
Service Temperature at 3/16"	-50°F - 300°F
Shrinkage	Nil
Water Absorption	Nil

**INSTALLATION**

Sherwin-Williams High Performance Flooring materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the FasTop Topfloor SL13. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

**SURFACE PREPARATION — GENERAL**

Sherwin-Williams 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 Sherwin-Williams 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 3-5. Refer to Form G-1. Consult the Sherwin-Williams Technical Service Department if oil or grease is present.

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 Sherwin-Williams system filler. For recommendations, consult the Sherwin-Williams Technical Service Department.

**TEMPERATURE**

Throughout the application process, substrate temperature should be 50-90°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrate

should occur while temperature is falling to lessen off gassing. The material should not be applied in direct sunlight, if possible. Protect material from freezing prior to installation.

**LIMITATIONS**

The substrate must be structurally sound and cleaned of any foreign matter that will inhibit adhesion.

Do not apply in temperatures below 40° F or above 85° F or when relative humidity is greater than 85%. If substrate is not concrete or metal as described in Surface Preparation Form G-1, then do not apply. Call the Sherwin-Williams Technical Service Department for recommendations. Working time is reduced with air movement and high humidity.

When installing FasTop Topfloor SL13, if encountering concrete outgassing, please discontinue installation and apply 3477 Epoxy Water Emulsion Primer / Sealer. Allow to dry until tack-free and proceed with the FasTop Topfloor SL13 installation.

- Do not featheredge.
- Do not mix partial units.
- Do not hand mix. Do not let mixed material sit in a bucket, even a 2-3 minute delay in pouring will reduce working time.
- Allow FasTop 12S/SL to cure a minimum of 12 hrs. prior to optional topcoat(s) other than GP4090TC.
- If patching, sloping, filling joints, etc. with any FasTop materials, allow the repair material to cure for a minimum of 8 hours before covering with 12S or 12SL.
- Do not apply to cracked or unsound substrates.
- Do not install outside.

Full chemical resistance is achieved after a 7-day cure. Consult the Sherwin-Williams Technical Service Department for specific chemical resistance.

**APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 3-5**

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<75 g/L	Optional Primer for outgassing	3477	2:1	250 sq. ft./gal	3 or 15 gals
<50 g/L 0	Slurry 1/16" (Optional)	4080 5035	Pre-measured unit 35 lbs.	60-65 sq. ft. / unit 35 lbs.	1.8 gals 35 lbs.
<50 g/L 0 0	Slurry 1/8" Broadcast Standard Dry Silica Sand 20-40 mesh	4080 5035 5310-8	Pre-measured unit 35 lbs. To Excess	60-65 sq. ft. / unit 35 lbs. 400 lbs. / 1,000 sq. ft.	1.8 gals 35 lbs. 50 lbs.
<50 g/L 0	Topcoat	4090TC 5095	Pre-measured A and B components Plus 8 lbs.	80-100 sq. ft. / unit	0.9 gal 8 lbs.

For additional topcoat options, consult the Sherwin-Williams Topcoat Selection Guide or contact your Sherwin Williams representative.

## PRIMER

### MIXING AND APPLICATION

1. Premix 3477A (resin) and 3477B (hardener) separately using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to whip air into the materials.
2. Add 2 parts 3477A (resin) to 1 part 3477B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. DO NOT mix more material than can be used within 4 hours. Apply material with a short nap roller at a spread rate of 250 sq. ft. per gallon.

DO NOT ALLOW TO PUDDLE. Any uneven or textured surfaces will require more material than an even surface.

## SLURRY @ 1/16"

### MIXING AND APPLICATION

DO NOT PREMIX 4080 PART B HARDENER. OVER EXPOSURE TO AIR AFFECTS PHYSICAL PROPERTIES.

1. Add 4080A (resin) to 4080B (hardener) and mix with low-speed drill and Jiffy mixer until uniform.
2. Pour 35 lbs. of 5035 aggregate and 1 pre-measured unit (1 gal Part A: short-filled gal Part B) until no lumps remain. Immediately pour mixed material onto the substrate and pull out using a 3/8" x 3/8" notched squeegee, notched trowel or screed rake. Place all material within 15 minutes. Backroll with a loop roller to assist leveling. Allow material to self-level (2-5 minutes).
3. Allow to cure. (Cure times vary depending on environmental conditions.)
4. Apply topcoat options or use as a base coat for other Sherwin-Williams systems.

## SLURRY @ 1/8"

### MIXING AND APPLICATION

DO NOT PREMIX 4080 PART B HARDENER. OVER EXPOSURE TO AIR AFFECTS PHYSICAL PROPERTIES.

1. Add 4080A (resin) to 4080B (hardener) and mix with low-speed drill and Jiffy mixer until uniform.
2. Pour 35 lbs. 5035 aggregate and 1 pre-measured unit (1 gal Part A: short-filled gal Part B) until no lumps remain. Immediately pour mixed material onto the substrate and pull out using a 3/8" x 3/8" notched squeegee, notched trowel or screed rake. Place all material within 15 minutes. Backroll with a loop roller to assist leveling. Allow material to self-level (2-5 minutes).

3. Broadcast Silica Sand (20-40 mesh) to saturation (about 400# per 1,000 square feet).
4. Allow to cure for a minimum of 4-5 hours. Sweep off excess sand with a clean, stiff-bristled broom. Clean sand can be saved for future use. All imperfections such as high spots should be smoothed before the application of the seal coat. NOTE: Dry Silica Sand distribution is critical to the success of the application. The floor's finished appearance depends on the way the sand has been applied. In grass seed like fashion, allow the sand to fall after being thrown upward and out. DO NOT THROW DOWNWARD AT A SHARP ANGLE USING FORCE.
5. Allow slurry to cure for a minimum of 4 hours before applying topcoat. NOTE: If applying any topcoat other than 4090TC allow the slurry to cure for 12 hours.

## TOPCOAT

DO NOT PREMIX Part A or Part B.

1. Combine 4090TCA (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 4090TC using trowel, squeegee or 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 80-100 square feet per unit evenly, with no puddles making sure of uniform coverage. NOTE: Do not dip and roll. Do not roll out of a puddle or ribbon. Must apply using squeegee or trowel.
3. Allow to cure for 6 hours minimum before opening to light foot traffic. If recoating is required, abrade surface before recoating.

\* When applied directly to concrete, FasTop Topfloor SL13 can be loop rolled after 20-30 minutes to create a non-skid coating without the addition of broadcast aggregate. Contact the Sherwin-Williams Technical Service Department for details.

## 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 PRECAUTIONS

Refer to the SDS 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.

## MATERIAL STORAGE

Store materials in a temperature controlled environment (50-90°F) and out of direct sunlight. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition.

## MAINTENANCE

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Sherwin-Williams Technical Service Department.

## 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 offered at the time of publication.

Consult [www.sherwin-williams.com/resin-flooring](http://www.sherwin-williams.com/resin-flooring) 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.

## THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams High Performance Flooring delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe.