

FASTOP™ TOPFLOOR SL57

Sherwin-Williams FasTop Topfloor SL57 is a urethane concrete slurry system applied at 4-5 mm (3/16") thickness and broadcast with aggregate to yield a 6-9 mm (1/4-3/8") finished floor. FasTop Topfloor SL57 can be applied with a pin rake, screed rake or flat trowel. It is designed to protect concrete, wood and steel substrates from thermal shock, impact, corrosion, chemical attack and abrasion.

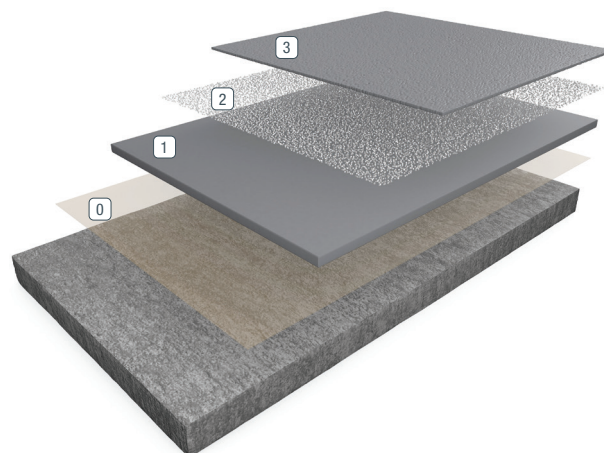
BENEFITS

- Can be applied to "green" concrete
- Rapid return to service
- Water based
- Hot cooking oil and steam resistance
- Low temperature cure
- Will not lose bond due to thermal shock
- Impact resistant
- Moisture insensitive
- No moisture testing required
- Acceptable for use in USDA inspected facilities
- Acceptable for use in Canadian food processing facilities*
- LEED® v4 compliant
- Available as microbial resistant

*Confirm acceptance of specific part numbers/rexes with your SW Sales Representative

RESISTANCE PROPERTIES

24 HOUR EXPOSURE @ 72°F	RESULT
NE= No Effect DD = Dulling/Discoloration	
Alcohol	NE
Ethylene Glycol	NE
Fats, Oils & Sugars	NE
Gasoline, Diesel & Kerosine	NE
Hydrochloric Acid (<35%)	DD
Lactic Acid (Milk)	NE
Mineral Oils	NE
Most Organic Solvents	NE
Muriatic Acid	NE
Nitric Acid (<10%)	DD
Nitric Acid (<30%)	Slight Softening
PM Acetate	NE
Phosphoric Acid (<50%)	DD
Potassium Hydroxide (<50%)	NE
Sodium Hydroxide (<50%)	NE
Sulfuric Acid (<50%)	Slight Gloss Loss
Water	NE
Xylene	NE



- 0 Primer (Optional)
- 1 Slurry
- 2 Broadcast Silica or Aluminium Oxide
- 3 Topcoat (Optional)

USES

- Food and beverage manufacturing and processing areas
- Commerical and institutional kitchens
- Dairies

LIMITATIONS

- Protect material from freezing

TYPICAL PHYSICAL PROPERTIES

Color	Red, Light Gray or Neutral
Cure Time	Recoat 4 hours Foot Traffic 4-6 hours Full Service 12 hours
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	20-30 mgs lost
Hardness, Shore D ASTM D 2240	75
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 ACI 503R	>300 psi concrete failure
Impact Resistance MIL-D-3134, Sec.4.7.3	Withstands 16 ft lbs without cracking, delamination or chipping
Flammability	Withstands 16 ft lbs without cracking, delamination or chipping
Coefficient of Friction ASTM D 2047	>0.80
Critical Radiant Flux ASTM E 648	>1.0
Smoke Denisty ASTM E 662	287-346
Service Temperature at 3/16"	-50°F to 300°F
Shrinkage	Nil
Water Absorption	Nil

INSTALLATION

The following information is a guideline for the installation of the FasTop Topfloor SL57 urethane surry system. 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 4-6. 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.

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 80°F, or when relative humidity is greater than 80%. If substrate is not concrete, wood or metal as described in Surface Preparation Form G-1 then do not apply. Call Sherwin-Williams Technical Service Department for recommendation.

When installing FasTop Topfloor SL57, 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 SL57 installation.

- Protect material from freezing prior to 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.
- Do not apply to cracked or unsound substrates.
- Allow FasTop Topfloor SL57/SL to cure a minimum of 12 hrs. prior to topcoating.
- 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.
- To install outside, contact the Sherwin-Williams Technical Service Department.

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 4-6

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
0 <50 g/L 0	Cove Base	4040 4060 5055	2:1 1 unit	300 sq. ft. / gal 15-20 lin. ft. @ 6" cove 1" radius 30 lbs..	1.5 - 15 gals Sold in units only 30 lbs..
<75 g/L	Primer Optional for outgassing	3477	2:1	250 sq. ft. / gal	3 or 15 gals
<50 g/L 0	Slurry	4080 5080	1 unit	34-36 sq. ft. / unit @ 1/4" 22-24 sq. ft. / unit @ 3/8" 55 lbs.	1.8 gals 55 lb. bag
0	Broadcast (standard)	5310 Dry Silica Sand 20-40 mesh	for seeding	500 lbs.. / 1,000 sq. ft.	50 lbs..
<50 g/L 0	Topcoat	4090TC 5095	1:1	80-100 sq. ft. /unit 8 lbs.	Pre-measured 8 lbs..

For additional topcoat options contact your Sherwin-Williams representative.

COVE BASE

MIXING AND APPLICATION

Cove base should be installed prior to the floor. Tape out cove with duct tape or a good quality masking tape. Terrazzo strips will also work.

Priming: Prime wall with 4040 FasTop Urethane Primer. Primer only has a 10-minute pot life. Be sure to prime entire surface and about halfway onto tape. Prime only what cove base can be installed within 30 minutes. Begin installing cove base right away. No need to wait for primer to tack up.

Mixing: Do not mix partial units, the fine aggregate and pigment can and will separate. A drill and a paddle work the best, but a KOL mixer works well. Mix pre-measured unit of 4060A for one minute. Add 4060B pre-measured unit and mix. Slowly add 5055 aggregate and mix until thoroughly wet out. Immediately pour mixed material out of bucket, in a bead, next to the wall. Rough apply cove mortar using a trowel. Do not worry about trowel marks at this time; just get all the mixed material applied to the wall. Material will need to be finished within approximately 20 minutes depending on temperature. Placing a halogen light next to cove base will cast shadows and assist on finishing the cove base with minimal waves and/or trowel marks. Use a minimum of a 3/4" radius cove trowel and finish cove base. Any smaller may result in a loss of the radius once the floor is tied in. Lightly misting cove trowel with glass cleaner works well as a trowel lube. Do not use isopropyl alcohol. Carefully remove tape and finish rough edges. Install floor once cove is hard to the touch, about 2 ½ to 3 hours.

Required Tools: Drill, proper mixing paddle, 3" x 8" trowel works best to apply, margin trowel and a radius cove trowel. Minimum of 3/4" but 1" is preferred.

NOTE: 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.

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.
3. DO NOT ALLOW TO PUDDLE. Any uneven or textured surfaces will require more material than an even surface.
4. Proceed when tack-free, 1-4 hours on shot-blasted concrete.

SLURRY

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 55 lbs.. 5080 aggregate and 1 pre-measured unit (1 gal Part A : short-filled gal Part B) into container and mix until no lumps remain. Immediately pour mixed material onto the substrate and pull out using a pin rake, screed rake or flat trowel. Place all material within 15 minutes. Backroll with a loop roller to assist leveling. Allow material to self-level (2-5 minutes).

NOTE: At substrate temperature less than 50°F, the application will be adversely affected.

3. Broadcast 5310 Dry Silica Sand (20-40 Mesh) to saturation (about 500 per 1,000 square feet).
4. Allow to cure for a minimum of 4 hours prior to topcoating with 4090TC, sweep off excess aggregate 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 topcoat.

NOTE: The broadcast distribution is critical to the success of the application. The floor's finished appearance depends on the manner in which the aggregate has been applied. In grass seed like fashion, allow the aggregate to fall after being thrown upward and out. DO NOT THROW DOWNWARD AT A SHARP ANGLE USING FORCE.

TOPCOAT

MIXING AND APPLICATION

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.

DO NOT PREMIX Part A or Part B

1. Combine 4090TCA (resin) with Sherwin-Williams 5095 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, 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.

3. Allow to cure 4-6 hours minimum before opening to light foot traffic. If recoating is required, abrade surface before recoating.

CLEAN UP

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 team.

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. 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.

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.

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