

# FASTOP™ MULTI TOPFLOOR SL45

Sherwin-Williams FasTop Multi Topfloor SL45 is a self-leveling urethane concrete to be applied at 3/16" thickness and broadcast to yield a 1/4" - 3/8" finished system. It is designed to protect concrete, wood and steel substrates from thermal shock, impact, corrosion, mild 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

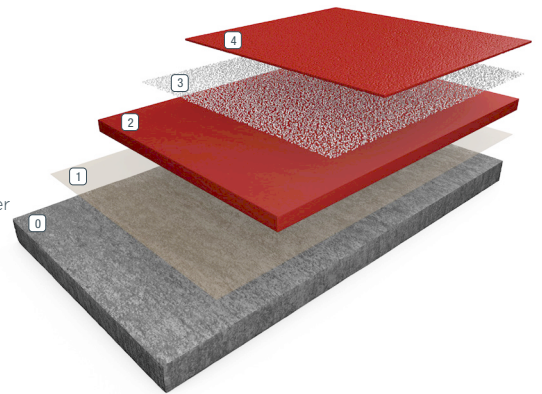
## LIMITATIONS

- Protect material from freezing

## 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 (10%)	DD
Lactic Acid (Milk)	NE
Mineral Oils	NE
Most Organic Solvents	NE
Muriatic Acid	NE
Nitric Acid (10%)	DD
Nitric Acid (70%)	DD
PM Acetate	NE
Phosphoric Acid (25%)	DD
Potassium Hydroxide (<50%)	NE
Sodium Hydroxide (50%)	NE
Sulfuric Acid (25%)	NE
Water	NE
Xylene	NE

- 4 Topcoat
- 3 Broadcast
- 2 Slurry:  
FasTop Multi SL45
- 1 Primer (optional):  
GP3477 Water Emulsion Primer
- 0 Substrate:  
Concrete/cementitious screed



## USES

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

## TYPICAL PHYSICAL PROPERTIES

<b>Color</b>	Refer to color pack color card
<b>Decorative Upgrade</b>	Selected Ceramic Carpet Blends
<b>Cure Time</b>	Recoat 3-5 Hours Foot Traffic 7-8 Hours Full Service 12 Hours
<b>Abrasion Resistance</b> ASTM D4060	51 mgs Lost
<b>Hardness, Shore D</b> ASTM D 2240	83
<b>Tensile Strength</b> ASTM C 307	944 psi
<b>Compressive Strength</b> ASTM C 579	6,926 psi
<b>Flexural Strength</b> ASTM C 580	1,909 psi
<b>Adhesion</b> ASTM D 7234	523 psi Concrete Failure
<b>Impact Resistance</b>	IR4
<b>Reaction to Fire</b>	Bfl - s1
<b>Coefficient of Friction</b> ASTM D 2047	>0.80
<b>Slip Resistance</b> ASTM E303	0.7 DCOF
<b>Thermal Expansion Coefficient</b>	<38 PPM
<b>Service Temperature at 3/16"</b>	-50°F to 266°F
<b>Shrinkage</b>	Nil
<b>Water Absorption</b>	Karsten Test (Impermeable) - Nil

## INSTALLATION

The following information is to be used as a guideline for the installation of the FasTop Multi Topfloor SL45 Urethane Slurry 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 90°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 the Sherwin-Williams Technical Service Department for recommendation. Working time is reduced with air movement and high humidity. When installing FasTop Multi Topfloor SL45, 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 Multi Topfloor SL45 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.
- To install outside, contact the Sherwin-Williams Technical Service Department.

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

If using without broadcast media, primer is required.

## APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 4-6

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L 0	Cove Base	FasTop Multi Cove Base Aggregate	2.0 kg Mix (A+B) 30 lbs	15-20 linear ft @ 6" cove 1" radius 30 lbs	2.0 kg Sold Only in 30-lb Units
<75 g/L	Primer Optional For Outgassing	3477	2:1	250 sq ft / gal	3 or 15 gals
<50 g/L 00	Slurry	FasTop Multi SL45 Aggregate	5.0 kg Mix (A+B) 37 lbs to Excess	32-34 sq ft / Unit @ 1/4" 22-24 sq ft / Unit @ 3/8"	5.0 kg 37 lbs
0	Broadcast (Standard)	5310 Dry Silica Sand 20-40 Mesh	Each	500 lbs / 1,000 sq ft	50 lbs
<50 g/L 0	Optional Topcoat	FasTop Multi T100 Aggregate	5.0 kg Mix (A+B) 11 lbs 2 Color Packs per Mix	80-100 sq ft / Unit	5.0 kg 11 lbs

## 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.

**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 also. Mix 1.0 kg of Part A with 1 color pack until uniform. Add 1.0 kg of Part B and mix. Slowly add 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 window cleaner, as a trowel lube, works well. 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.

## PRIMER: OPTIONAL

### MIXING AND APPLICATION

1. Premix 3477A (resin) and 3477B (hardener) separately, using a low speed drill and Jiffy blade. Mix for one minute and 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 and 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

1. Add 2.5 kg Part A (resin) with 1 color pack. Mix until uniform. Add 2.5 kg Part B and mix with low speed drill and Jiffy mixer until uniform.
2. Pour one bag, 37 lbs pre-measured unit, 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. Back roll with a spike roller to assist leveling. Allow material to self-level (2-5 minutes).

**NOTE:** At substrate temperature less than 40°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 3-5 hours prior to topcoating. 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: OPTIONAL

### MIXING AND APPLICATION

Allow slurry to cure for a minimum of 3-5 hours before applying topcoat. DO NOT PREMIX Part A or Part B.

1. Combine 2.5 kg of Part A (resin) with 11 lbs of Part C (aggregate) 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 two color packs and mix until fully combined and uniform in color, approximately 30 seconds. Add 2.5 kg of Part B and mix for approximately 1-2 minutes until uniform.
2. Apply T100 using trowel or squeegee and backroll with a 1/4"- 3/8" nap roller to remove any marks. 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 a trowel or squeegee.

3. Allow to cure 7-8 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**

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 (40°F to 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 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.

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## **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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