

FASTOP™ MULTI TOPFLOOR SL23

Sherwin-Williams FasTop Multi Topfloor SL23 is a self-leveling slurry to be applied at 1/8" smooth finish or broadcast with aggregate to yield 3/16" with a non-skid finish. It can be applied with a 3/8" x 3/8" notched squeegee, notched trowel or screed rake. It can also be applied at 1/8" with a 1/2"x 1/2" steel trowel. FasTop Multi Topfloor SL23 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 the FasTop Multi Topfloor SL45 system. 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"

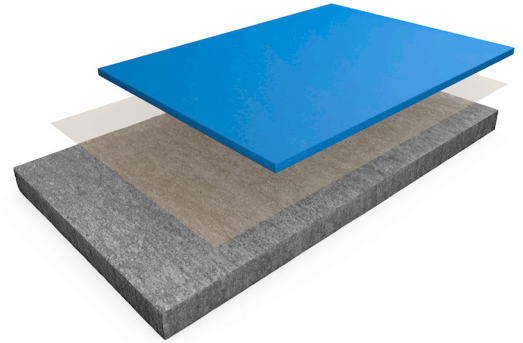
LIMITATIONS

- 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 |

- ② **Slurry:**
FasTop Multi SL23
- ① **Primer (optional):**
GP3477 Water Emulsion Primer
- ③ **Substrate:**
Concrete/cementitious screed



USES

- Warehouses
- Aircraft hangars
- Manufacturing flooring
- Garages

TYPICAL PHYSICAL PROPERTIES

| COLOR | REFER TO COLOR PACK COLOR CARD |
|---|---|
| Decorative Upgrade | Selected Ceramic Carpet Blends |
| Cure Time | Recoat 3-5 Hours Foot Traffic 7-8 Hours Full Service 12 Hours |
| Abrasion Resistance ASTM D4060 | 60 mgs Lost |
| Hardness, Shore D ASTM D 2240 | 83 |
| Tensile Strength ASTM C 307 | 968 psi |
| Compressive Strength ASTM C 579 | 5,746 psi |
| Flexural Strength ASTM C 580 | 2,019 psi |
| Adhesion ASTM 7234 | 518 psi Concrete Failure |
| Impact Resistance | IR4 |
| Reaction to Fire | Bfl - s1 |
| Coefficient of Friction ASTM D 2047 | >0.80 |
| Slip Resistance ASTM E303 | 0.7 DCOF |
| Thermal Expansion Coefficient | <38 PPM |
| Service Temperature at 3/16" | -50°F to 266°F |
| Shrinkage | Karsten Test (Impermeable) - Nil |
| Water Absorption | Karsten Test (Impermeable) - Nil |

INSTALLATION

Sherwin-Williams materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the FasTop Multi Topfloor SL23 Self-Leveling 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 3-4. 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 SL23, 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 SL23 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.

INSTALLATION

Throughout the application process, substrate temperature should be 40°F to 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.

APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 3-4

| 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 1/8" | FasTop Multi SL23 Aggregate | 5.0 kg Mix (A+B) 27 lbs | 32 sq ft / Unit | 5.0 kg 27 lbs |
| <50 g/L 00 | Slurry 1/8" Broadcast Standard Dry Silica Sand 20-40 Mesh | FasTop Multi SL23 Aggregate 5310-8 | 5.0 kg Mix (A+B) 27 lbs to Excess | 32 sq ft / Unit 400 lbs / 1,000 sq ft | 5.0 kg 27 lbs 50 lbs |
| <50 g/L 0 | Seal Coat | FasTop Multi T100 Aggregate 2 Color Packs | 5.0 kg Mix (A+B) 11 lbs 2 Color Packs per Mix | 80-100 sq ft / Unit | 5.0 kg 11 lbs |

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.

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

SLURRY @ 1/8"

MIXING AND APPLICATION

1. Add 2.5 kg Part A (resin) with 1 color pack. Mix until uniform. Add one 2.5 kg Part B (hardener) and mix with low speed drill and Jiffy mixer until uniform.
2. Pour 27 lbs of aggregate and mix until no lumps remain. Immediately pour mixed material onto the substrate and pull out using a 3/8" x 3/8" notched squeegee, or notched trowel or screed rake. Place all material within 15 minutes. Back roll 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

1. Add 2.5 kg Part A (resin) with 1 color pack. Mix until uniform. Add one 2.5 kg Part B (hardener) and mix with low speed drill and Jiffy mixer until uniform.
2. Pour 27 lbs aggregate and mix 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. Back roll 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 3-5 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 manner in which 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 3-5 hours before applying topcoat.

TOPCOAT

MIXING AND APPLICATION

1. Combine 2.5 kg of Part A with 2 color packs and mix until uniform. Add 11 lbs of aggregate and mix until lump-free. Add 2.5 kg of Part B and mix until uniform.
2. Apply T100 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 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 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 (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. **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.

United States & Canada

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