

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"

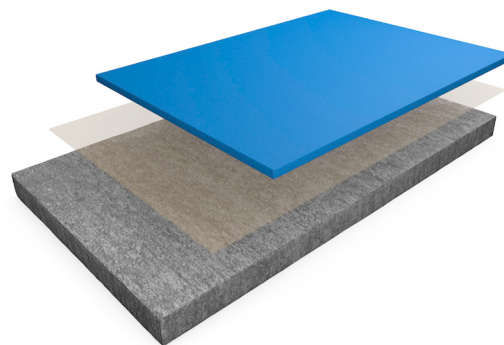
LIMITATIONS

- 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 & Kerosene	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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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 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, 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

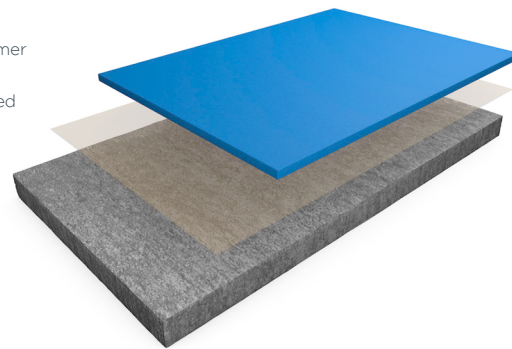
LIMITATIONS

- 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 & Kerosene	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 SL45
- ① **Primer (optional):**
GP3477 Water Emulsion Primer
- ③ **Substrate:**
Concrete/cementitious screed



USES

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

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	51 mgs Lost
Hardness, Shore D ASTM D 2240	83
Tensile Strength ASTM C 307	944 psi
Compressive Strength ASTM C 579	6,926 psi
Flexural Strength ASTM C 580	1,909 psi
Adhesion ASTM 7234	523 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

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 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 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) 22 lbs	15-20 linear ft @ 6" cove 1" radius 22 lbs	2.0 kg Sold Only in 22-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 water, 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 37 lbs of aggregate and 1 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 with T100, 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, squeegee or grout float, 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.

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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FASTOP™ MULTI SCREED TG69

Sherwin-Williams FasTop Multi Screed TG69 is a four-component cementitious polyurethane screed. It is ideal for areas that are subject to extremely heavy mechanical or high chemical charges with hygienic demands, such as dairies, bakeries, breweries, slaughter houses, smokehouses, ovens and cold stores where steam cleaning is required.

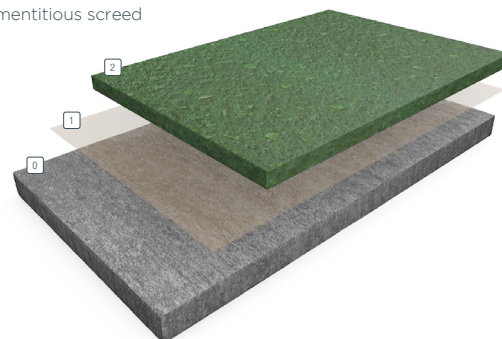
BENEFITS

- Can be applied to “green” concrete
- Minimal downtime, quick turnaround
- Bonds to slightly damp substrate
- Thermal shock resistant
- No moisture vapor emission testing required
- Unaffected by freeze/thaw cycles
- Wide service temperature range (-50°F to 266°F)
- Optional primer and topcoat
- Impact resistant
- Interior or exterior use

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 & Kerosene	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 **Screed:**
FasTop Multi TG69
- ① **Primer:**
GP3477 Water Emulsion Primer
- ③ **Substrate:**
Concrete/cementitious screed



USES

- Cagewash areas, chemical processing plants
- Commercial kitchens, dairy plants
- Meat and poultry plants, pulp and paper plants
- Restrooms and concession stands
- Sugar processing plants, walk-in coolers
- Walk-thru autoclaves, wastewater treatment facilities

TYPICAL PHYSICAL PROPERTIES

COLOR	REFER TO COLOR PACK COLOR CARD
Working Life , mixed @ 77°F	15-20 Minutes
Cure Time @ 70°F	Recoat 3-5 Hours Foot Traffic 7-8 Hours Full Service 12 Hours
Tensile Strength ASTM C 307	968 psi
Compressive Strength ASTM C 579	6,432 psi
Flexural Strength ASTM C 307	1,634 psi
Coefficient of Thermal Expansion	<38 PPM
Hardness ASTM D2240	74
Reaction to Fire	Bfl - s1
Bond Strength ASTM 7234	511 psi
Impact Resistance	IR4
Abrasion Resistance ASTM D4060	46 mgs
Slip Resistance ASTM E303	0.8 DCOF
Service Temperature @ 3/8" application	-50°F to 266°F

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 85%. Do not apply to non-reinforced sand cement screeds, asphaltic or bitumen substrate, glazed tile or nonporous brick, tile, or magnesite, copper, aluminum, soft wood, existing coatings of epoxy, polyester, or urethane composition, elastomeric membranes or fiber reinforced polyester (FRP) composites. Do not apply to wet concrete or to polymer modified patches with a moisture content greater than 10%. Do not apply to concrete if temperature is within 5°F of dew point.

Protect substrate during application from condensation from any overhead leaks.

- Do not apply to overhead surfaces.
- Do not featheredge.
- Do not hand mix.
- Do not apply to cracked or unsound substrates.

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

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 Screed TG69 Urethane Mortar System. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

SURFACE PREPARATION

Sherwin-Williams FasTop Multi Screed TG69 Urethane Mortar System is normally applied to concrete but may be successfully applied to mild steel and wood block. Surface contaminants and/or weak spots must be removed, and a clean, hard surface must be exposed to ensure proper bonding to the substrate.

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, 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.

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	FasTop Multi Cove Base Aggregate	2.0 kg Mix (A+B) 22 lbs	15-20 linear ft @ 6" cove 1" radius	2.0 kg Sold Only in 22-lb Units
<75 g/L	Primer	3477	2:1	250 sq ft / gal	3 or 15 gals
<50 g/L 0	Mortar	FasTop Multi TG69 Aggregate	5.0 kg Mix (A+B) 55 lbs	16 sq ft / unit @ 1/4" 11 sq ft / unit @ 3/8"	5.0 kg 55 lbs

SERVICE TEMPERATURE

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 substrates should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight if possible.

EXTREME CONDITIONS

Ideal conditions for mixing and laying the FasTop Multi Screed TG69 Urethane Mortar System is between 40°F and 90°F. Do not apply when temperatures are below freezing. FasTop Multi Screed TG69 has a very short pot life above 90°F.

COLD TEMPERATURES BELOW 40°F

Keep materials stored and mix in 60°F to 70°F conditions. Protect application area with cover or tent. Flame heat concrete immediately ahead of layers. Use hot air blowers to raise temperature under cover or tent. Maintain air temperatures for at least 4-6 hours after laying. Allow a longer time period for the FasTop Multi Screed TG69 to reach an operating strength (24-48 hours depending upon substrate and ambient air temperatures).

HOT TEMPERATURES ABOVE 90°F

Keep materials stored and mix them in an air-conditioned environment of 60°F to 70°F. Do not lay the FasTop Multi Screed TG69 in direct sunlight. Shade with a tarpaulin or similar material. Work early and/or late, and preferably at night if daytime temperatures are extreme.

EXPANSION JOINTS

Expansion joints should be provided in the substrates at the intersection of dissimilar materials. Isolate areas subject to thermal stresses, vibrational movements or around load-bearing columns and at vessel sealing rings. All cracks should be routed out and filled with FasTop Multi Screed TG69 prior to floor application. Large cracks may require treatment at expansion joints with an elastomeric sealant.

COVE BASE

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 water, 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.

MORTAR

MIXING AND APPLICATION

MORTAR - MIXING:

Premix FasTop Multi Part A to re-disperse any settlement. Mix FasTop CP Color Pack with Part A prior to adding FasTop Multi Part B. Add FasTop Multi Part B and mix again. Pour liquid into flat bed mixer and add 55 lbs of aggregate. Mix for another 1 to 2 minutes.

MORTAR - APPLICATION:

Immediately after mixing, within 3 minutes, spread the screed by hand or screed box onto the primed floor, slightly thicker than the required thickness. Spike roll to release air and help material to level. If necessary, assist leveling with a steel trowel. When a more pronounced skidfastness is specified, broadcast Nature Quartz on the surface before curing in order to incorporate the antislip aggregate in the flooring.

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

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United States & Canada

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swflooding@sherwin.com

FASTOP™ MULTI SCREED RS69

Sherwin-Williams FasTop Multi Screed RS69 is a four-component cementitious polyurethane screed. It is ideal for areas that are subject to extremely heavy mechanical or high chemical charges with hygienic demands, such as dairies, bakeries, breweries, slaughter houses, smokehouses, ovens and cold stores where steam cleaning is required.

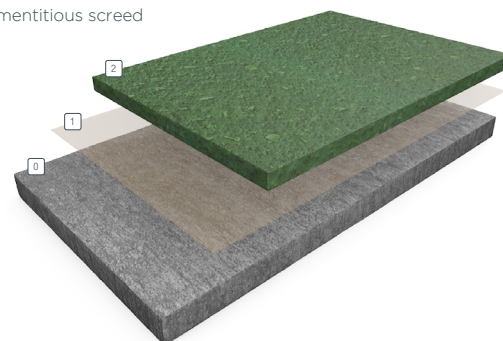
BENEFITS

- Can be applied to “green” concrete
- Minimal downtime, quick turnaround
- Bonds to slightly damp substrate
- Thermal shock resistant
- No moisture vapor emission testing required
- Unaffected by freeze/thaw cycles
- Wide service temperature range (-50°F to 266°F)
- Optional primer and topcoat
- Impact resistant
- Interior or exterior use

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 & Kerosene	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 **Screed:**
FasTop Multi RS69
- ① **Primer:**
GP3477 Water Emulsion Primer
- ③ **Substrate:**
Concrete/cementitious screed



USES

- Cagewash areas, chemical processing plants
- Commercial kitchens, dairy plants
- Meat and poultry plants, pulp and paper plants
- Restrooms and concession stands
- Sugar processing plants, walk-in coolers
- Walk-thru autoclaves, wastewater treatment facilities

TYPICAL PHYSICAL PROPERTIES

COLOR	REFER TO COLOR PACK COLOR CARD
Working Life , mixed @ 77°F	15-20 Minutes
Cure Time @ 70°F	Recoat 3-5 Hours Foot Traffic 7-8 Hours Full Service 12 Hours
Tensile Strength ASTM C 307	968 psi
Compressive Strength ASTM C 579	6,432 psi
Flexural Strength ASTM C 307	1,634 psi
Coefficient of Thermal Expansion	<38 PPM
Hardness ASTM D2240	74
Reaction to Fire	Bfl - s1
Bond Strength ASTM 7234	511 psi
Impact Resistance	IR4
Abrasion Resistance ASTM D4060	46 mgs
Slip Resistance ASTM E303	0.8 DCOF
Service Temperature @ 3/8" application	-50°F to 266°F

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 85%. Do not apply to non-reinforced sand cement screeds, asphaltic or bitumen substrate, glazed tile or nonporous brick, tile, or magnesite, copper, aluminum, soft wood, existing coatings of epoxy, polyester, or urethane composition, elastomeric membranes, or fiber reinforced polyester (FRP) composites. Do not apply to wet concrete or to polymer modified patches with a moisture content greater than 10%. Do not apply to concrete if temperature is within 5°F of dew point.

Protect substrate during application from condensation from any overhead leaks. Do not apply to overhead surfaces.

- Do not apply to overhead surfaces.
- Do not featheredge.
- Do not hand mix.
- Do not apply to cracked or unsound substrates.

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

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 Screed RS69 Urethane Mortar System. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

SURFACE PREPARATION

Sherwin-Williams FasTop Multi Screed RS69 URETHANE MORTAR SYSTEM is normally applied to concrete but may be successfully applied to mild steel and wood block. Surface contaminants and/or weak spots must be removed, and a clean, hard surface must be exposed to ensure proper bonding to the substrate.

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, 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.

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	FasTop Multi Cove Base Aggregate	2.0 kg Mix (A+B) 22 lbs	15-20 linear ft @ 6" cove 1" radius	2.0 kg Sold Only in 22-lb Units
<75 g/L	Primer Optional for Outgassing	3477	2:1	250 sq ft / gal	3 or 15 gals
<50 g/L 0	Mortar	FasTop Multi RS69 Aggregate	5.0 kg Mix (A+B) 44 lbs	21 sq ft / unit @ 1/4" 16 sq ft / unit @ 3/8"	5.0 kg 44 lbs

SERVICE TEMPERATURE

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 substrates should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight if possible.

EXTREME CONDITIONS

Ideal conditions for mixing and laying the FasTop Multi Screed RS69 URETHANE MORTAR SYSTEM is between 40°F and 90°F. Do not apply when temperatures are below freezing. FasTop Multi Screed RS69 has a very short pot life above 90°F.

COLD TEMPERATURES BELOW 40°F

Keep materials stored and mix in 60°F to 70°F conditions. Protect application area with cover or tent. Flame heat concrete immediately ahead of layers. Use hot air blowers to raise temperature under cover or tent. Maintain air temperatures for at least 4-6 hours after laying. Allow a longer time period for the FasTop Multi Screed RS69 to reach an operating strength (24-48 hours depending upon substrate and ambient air temperatures).

HOT TEMPERATURES ABOVE 90°F

Keep materials stored and mix them in an air-conditioned environment of 60°F to 70°F. Do not lay the FasTop Multi Screed RS69 in direct sunlight. Shade with a tarpaulin or similar material. Work early and/or late, and preferably at night if daytime temperatures are extreme.

EXPANSION JOINTS

Expansion joints should be provided in the substrates at the intersection of dissimilar materials. Isolate areas subject to thermal stresses, vibrational movements or around load-bearing columns and at vessel sealing rings. All cracks should be routed out and filled with FasTop Multi Screed RS69 prior to floor application. Large cracks may require treatment at expansion joints with an elastomeric sealant.

COVE BASE

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 water, 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.

MORTAR

MIXING AND APPLICATION

MORTAR - MIXING:

Premix FasTop Multi Part A to re-disperse any settlement. Mix FasTop CP Color Pack with Part A prior to adding FasTop Multi Part B. Add FasTop Multi Part B and mix again. Pour liquid into flat bed mixer and add 44 lbs of aggregate. Mix for another 1 to 2 minutes.

MORTAR - APPLICATION:

Immediately after mixing, within 3 minutes, spread the screed by hand or screed box onto the primed floor, slightly thicker than the required thickness. Spike roll to release air and help material to level. If necessary, assist leveling with a steel trowel. When a more pronounced skidfastness is specified, broadcast Nature Quartz on the surface before curing in order to incorporate the antislip aggregate in the flooring.

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

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United States & Canada

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FASTOP™ MULTI COVE BASE SYSTEM

Sherwin-Williams FasTop Multi Cove Base System

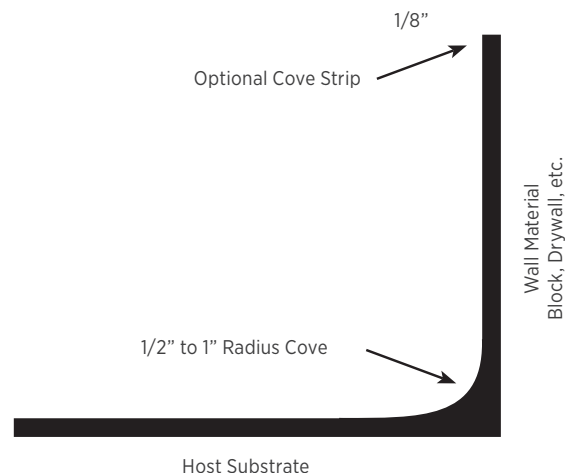
is a urethane concrete system designed as an integral part of the flooring system. The vertical portion can be installed to any height at 1/8" to 1/4" thickness.

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

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 & Kerosene	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



USES

- Food and beverage manufacturing and processing areas
- Commercial and institutional kitchens
- Dairies
- Troughs, trenches, equipment pads, pump bases

LIMITATIONS

- Protect material from freezing
- Thickness greater than 1/4" vertically must be applied in multiple lifts

TYPICAL PHYSICAL PROPERTIES

COLOR	REFER TO COLOR PACK COLOR CARD
Cure Time @ 70°F	Recoat 3-5 Hours Full Service 12 Hours
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	29 mgs Lost
Hardness, Shore D ASTM D 2240	78
Tensile Strength ASTM C 307	812 psi
Compressive Strength ASTM C 579	>6,850 psi
Flexural Strength ASTM C 580	1,561 psi
Adhesion ACI 503R	362 psi Concrete Failure
Flammability	Self-Extinguishing over Concrete
Slip Resistance ASTM E303 DCOF	>0.70
Service Temperature at 3/16"	-50°F to 266°F
Water Absorption	Nil

INSTALLATION

The following information is to be used as a guideline for the installation of the FasTop Multi Cove Base 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 drywall, wood, concrete, cement board, block, quarry tile, etc. 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, 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, drywall, cement board, block or wood, do not apply. Call the Sherwin-Williams Technical Service Department for recommendation.

- 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.
- If patching, sloping, filling joints, etc. with any FasTop materials, allow the repair material to cure for a minimum of 4 hours before covering with SL23 or SL45.
- Do not install outside, call 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
0<50 g/L 0	Cove Base	2.0 kg Unit (22 lbs)	1 Unit	15-20 linear ft @ 6" cove 1" radius 22 lbs	Sold Only in 22-lb Units

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. Metal or plastic strips may be used.

COVE

MIXING AND APPLICATION

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.

Add 1.0 kg of Part A with 1 color pack and mix for one minute. Add 1.0 kg of Part B and mix for one minute. Slowly add 22 lbs 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 solvent, as a trowel lube, works well. Do not use isopropyl alcohol or denatured 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.

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°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.

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FASTOP™ MULTI TOPCOAT T100

Sherwin-Williams FasTop Multi Topcoat T100 is a high-performance urethane concrete topcoat or can be installed as a single broadcast floor system. It incorporates a broadcast of aggregate into the first coat followed by a seal coat. It exhibits good chemical and temperature resistance, and can be used in conjunction with Fastop Multi Systems as a urethane concrete topcoat. It is available in 10 standard colors.

BENEFITS

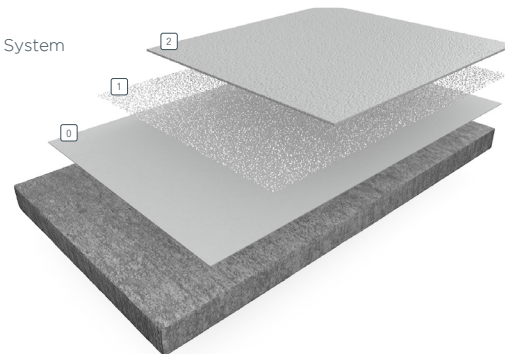
- Seamless, cleanable surface
- Durable, wear and slip resistant
- Chemical and stain resistant

24 HOUR EXPOSURE @ 72°F	RESULT
NE= No Effect DD=Dulling/Discoloration	
Alcohol	NE
Ethylene Glycol	NE
Fats, Oils & Sugars	NE
Gasoline, Diesel & Kerosene	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 Topcoat T100

① **Aggregate:**
Broadcast silica

③ **Slurry:**
FasTop Multi System



USES

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

TYPICAL PHYSICAL PROPERTIES

COLOR	REFER TO COLOR PACK COLOR CARD
Abrasion Resistance	84 mgs Lost ASTM D4060, CS-17 Wheel, 1,000 Cycles
Adhesion ACI 503R	494 psi / 100% Concrete Failure
Compressive Strength ASTM C 579	6,636 psi
Flammability	Self-Extinguishing over Concrete
Flexural Strength ASTM C 580	2,437 psi
Hardness ASTM D2240	72
Tensile Strength ASTM C 307	1,425 psi

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 85%. Do not apply to non-reinforced sand cement screeds, asphaltic or bitumen substrate, glazed tile or nonporous brick, tile, or magnesite, copper, aluminum, soft wood, existing coatings of epoxy, polyester, or urethane composition, elastomeric membranes, fiber reinforced polyester (FRP) composites. Do not apply to wet concrete or to polymer modified patches with a moisture content greater than 10%. Do not apply to concrete if temperature is within 5°F of dew point.

Protect substrate during application from condensation from any overhead leaks.

- Do not apply to overhead surfaces.
- Do not featheredge.
- Do not hand mix.
- Do not apply to cracked or unsound substrates.

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

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 Topcoat T100. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

SURFACE PREPARATION

Sherwin-Williams FasTop Multi Topcoat T100 is normally applied to concrete but may be successfully applied to mild steel and wood block. Surface contaminants and/or weak spots must be removed, and a clean, hard surface must be exposed to ensure proper bonding to the substrate.

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, 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.

New concrete should be cured a minimum of 7-10 days. Use a light steel trowel finish.

APPLICATION INFORMATION - SURFACE PREP PROFILE CSP 3-5

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
0<50 g/L 0	Slurry	FasTop Multi T100 Aggregate	5.0 kg Mix (A+B) 11 lbs	15-20 mils	5.0 kgs 11 lbs
0	Broadcast (Standard)	5310-8 Dry Silica Sand	50 lbs	400 lbs per 1,000 sq ft	50 lbs
<50 g/L 0	Slurry	FasTop Multi T100 Aggregate	5.0 kg Mix (A+B) 11 lbs	15-40 mils	5.0 kgs 11 lbs

SERVICE TEMPERATURE

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 substrates should occur while temperature is falling to lessen off gassing. The material should not be applied in direct sunlight, if possible.

EXTREME CONDITIONS

Ideal conditions for mixing and laying the FasTop Multi Topcoat T100 is between 40°F and 90°F. Do not apply when temperatures are below freezing. FasTop Multi Topcoat T100 has a very short pot life above 90°F.

COLD TEMPERATURES BELOW 40°F

Keep materials stored and mix them in 60°F to 70°F conditions. Protect application area with cover or tent. Flame heat concrete immediately ahead of layers. Use hot air blowers to raise temperature under cover or tent. Maintain air temperatures for at least 4-6 hours after laying. Allow a longer time period for the FasTop Multi Topcoat T100 to reach an operating strength (24-48 hours depending upon substrate and ambient air temperatures).

HOT TEMPERATURES ABOVE 90°F

Keep materials stored and mix them in an air-conditioned environment of 60°F to 70°F. Do not lay the FasTop Multi Topcoat T100 in direct sunlight. Shade with a tarpaulin or similar material. Work early and/or late, and preferably at night if daytime temperatures are extreme.

EXPANSION JOINTS

Expansion joints should be provided in the substrates at the intersection of dissimilar materials. Isolate areas subject to thermal stresses, vibrational movements or around load-bearing columns and at vessel sealing rings. All cracks should be routed out and filled with FasTop Multi Topcoat T100 prior to floor application. Large cracks may require treatment at expansion joints with an elastomeric sealant.

PRIMER

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. 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 surface. Spread at 15-20 wet mils evenly, with no puddles making sure of uniform coverage.
2. Broadcast Silica Sand (20-40 mesh) to saturation (about 400# per 1000 square feet).
3. 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: Do not dip and roll. Do not roll out of a puddle or ribbon. Must apply using squeegee or trowel.

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. Apply T100 using trowel, squeegee or grout float, and backroll with a 3/8" nap roller to remove any marks and provide uniform surface. Spread at 15-40 wet mils 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.

Allow to cure 7-8 hours minimum before opening to light foot traffic.

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.

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