

FASTOP™ MULTI TOPCOAT T100

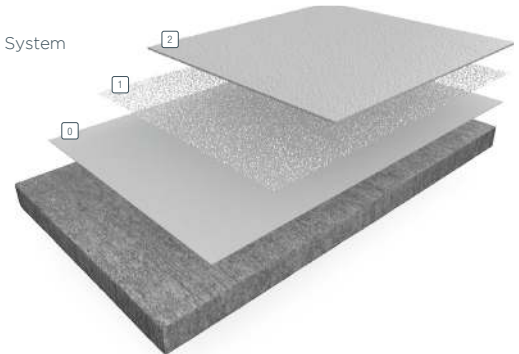
Sherwin-Williams FasTop Multi Topcoat T100 is a high-performance urethane concrete topcoat or can be installed as a single broadcast floor system. It incorporates a broadcast of aggregate into the first coat followed by a seal coat. It exhibits good chemical and temperature resistance, and can be used 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
- ① **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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