

## FASTOP® DECO QUARTZ SL45

Sherwin-Williams FasTop Deco Quartz SL45 is a decorative, cementitious urethane self-leveling slurry with color quartz broadcast to yield a 3/16"-1/4" finished system. FasTop Deco Quartz SL45 can be applied with a pin rake, screed rake or flat trowel. It is designed to provide a durable, yet decorative, seamless flooring system on concrete substrates that will not be adversely affected by moisture vapor emissions.

### BENEFITS

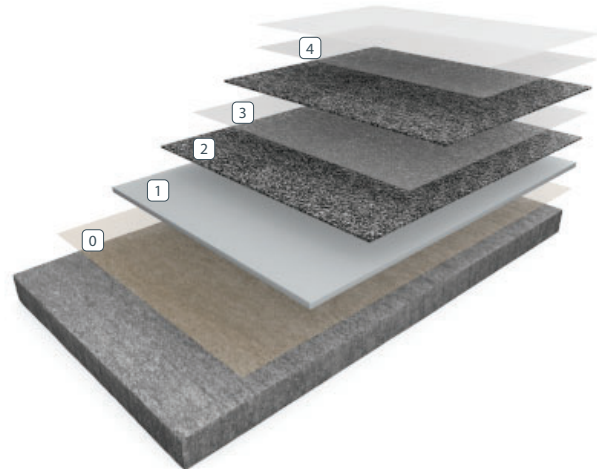
- Can be applied to "green" concrete
- Rapid cure and hardness development
- Water based
- Impact resistant
- Moisture insensitive
- No moisture testing required

### USES

- Warehouses
- Manufacturing flooring
- Aircraft hangars
- Garages

### LIMITATIONS

- Protect material from freezing



- 0 Primer (Optional)
- 1 Slurry
- 2 1st Broadcast Color Quartz
- 3 Bonding / 2nd Broadcast Color Quartz
- 4 Grout / Topcoat

### 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 - 266°F
Shrinkage	Karsten Test (impermeable) - Nil
Water Absorption	Karsten Test (impermeable) - Nil

**INSTALLATION**

Sherwin-Williams High Performance Flooring materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of FasTop Deco Quartz SL45. 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 depending upon system selected. Refer to Form G-1.

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 system compatible filler. For recommendations, consult the Sherwin-Williams Technical Service Department.

**TEMPERATURE**

Throughout the application process, substrate temperature should be 50-90°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.

**LIMITATIONS**

The substrate must be structurally sound and cleaned of any foreign matter that will inhibit adhesion.

Do not apply in temperatures below 50° F or above 85°F, or when relative humidity is greater than 85%. If substrate is not concrete, wood or metal as described in Surface Preparation Form G-1, then do not apply. Call Sherwin-Williams Technical Service Department for recommendation.

Limit this install when concrete temperatures are falling and/or when air temperatures will not differentiate more than 10 degrees during installation and cure. You may prime with 3477 Epoxy Water Emulsion Primer/Sealer in areas not exposed to high temperatures.

- Do not mix partial units.
- Do not hand mix. Do not let mixed material sit in mass, even a 2–3-minute delay in pouring will reduce working time.
- Do not apply to cracked or unsound substrates.
- Do not install outside.

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

**APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 3-5**

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<200 g/L	Optional Primer for outgassing	3477	2:1	250 sq. ft./gal	3 or 15 gals
<50 g/L 0 0	Slurry 1st Broadcast	FasTop Multi SL23 Aggregate 5900F	5.0 kg Mix (A+B) 27 lbs. 50 lbs.	32 sq ft / Unit 500 lbs. / 1,000 sq. ft.	5.0 kg 27 lb. bag 50 lb. bag
<100 g/L 0	Bonding Coat 2nd Broadcast	3746 5900F	2:1 premeasured unit 50 lbs.	100-120 sq. ft./gal 400 lbs. / 1,000 sq. ft.	3 or 15 gals 50 lb. bag
<100 g/L	Grout Coat	3746	2:1 premeasured unit	100 sq. ft./gal	3 or 15 gals
<100 g/L	Topcoat	3746	2:1 premeasured unit	160-200 sq. ft./gal	3 or 15 gals

For additional topcoat options, contact your Sherwin-Williams representative.

## OPTIONAL PRIMER FOR OUTGASSING

### MIXING AND APPLICATION

1. Premix 3477A (resin) and 3477B (hardener) separately, using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to whip air into the materials.
2. Add 2 parts 3477A (resin) to 1 part 3477B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. DO NOT mix more material than can be used within 4 hours. Apply material with a short nap roller at a spread rate of 250 sq. ft. per gallon.
3. DO NOT ALLOW TO PUDDLE. Any uneven or textured surfaces will require more material than an even surface.
4. Proceed when tack-free, 1-4 hours on shot-blasted concrete.

## SLURRY/1ST BROADCAST

### 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, notched trowel or screed rake. Place all material within 15 minutes. Backroll with a loop roller to assist leveling. Allow material to self-level (2-5 minutes).
3. Allow material to self-level 10-15 minutes. Begin evenly seeding the 5900F into wet resin much the same as grass seed is spread at 500 lbs. per 1,000 sq. ft. Granules may be spread by hand or mechanical blower but should be broadcast in such a way that the granules fall into resin without causing the resin to move. Continue broadcasting to excess until the floor appears completely dry.
4. Allow to cure. (Cure times vary depending on environmental conditions.)
5. Apply topcoat options or use as a base coat for other Sherwin-Williams systems.

## BONDING COAT/2ND BROADCAST

### MIXING AND APPLICATION

1. Premix 3746A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to introduce air into the material.
2. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 3746 using a squeegee or trowel and backroll with a 1/4" nap roller at a spread rate of 100-120 square feet per gallon to yield 10-13 mils WFT with no puddles making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.

4. Allow material to self-level 10-15 minutes. Begin evenly seeding the 5900F into wet resin much the same as grass seed is spread at 400 lbs. per 1,000 sq. ft. Granules may be spread by hand or mechanical blower but should be broadcast in such a way that the granules fall lightly into resin without causing the resin to move. Continue broadcasting to excess until the floor appears completely dry.
5. Allow to cure. (Cure times vary depending on environmental conditions.) Sweep off excess granules with a clean, stiff-bristled broom. Clean granules can be saved for future use. All imperfections such as high spots should be smoothed before the application of the topcoat.

## TOPCOAT

1. Premix 3746A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to introduce air into the material.
2. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 3746 using a squeegee or trowel and backroll with a 3/8" nap roller at a spread rate of 100 square feet per gallon (4.1-5.1 sq meter / liter) to yield 16 mils (400 microns) WFT making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.
4. After 20-30 minutes of set-up time, material should be rolled with a spike roller to remove any entrapped air. Do not spike roll after 40 minutes.
5. Allow to cure for 24 hours minimum before opening to traffic and water exposure.

Note: Epoxy materials will appear to be cured and "dry to touch" prior to full chemical cross linking. Allow epoxy to cure 2-3 days prior to exposure to water or other chemicals for best performance.

## 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 (50-90°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 [www.sherwin-williams.com/resin-flooring](http://www.sherwin-williams.com/resin-flooring) to obtain the most recent Product Data information and Application instructions.

## 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.