

## FASTOP® DECO FLAKE ONE

The following information is to be used as a guideline for the installation of the FasTop Deco Flake One flooring system. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

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

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT	PACKAGING
<50 g/L 0	Cove Base	FasTop Multi Cove Base Aggregate	2.0 kg mix (A+B) 22 lb	15-20 lin ft @ 6" cove 1" radius 22 lb	2.0 kgs Sold in units only 22 lb
<75 g/L	Primer optional for outgassing	Resufloor Aqua 3477	2:1	250 sq ft/gal	3 or 15 gals
50 g/L 0	Slurry	FasTop Multi SL45 Aggregate	5.0 kg mix (A+B) 37 LB	32-34 sq ft/unit @ 1/4" 22-24 sq ft/unit @ 3/8"	5 kgs 37 lb
0	Broadcast	6750/6755 Vinyl Flake	Broadcast for seeding	100 lb/1,000 sq ft	25-50 lb
<50 g/L	Grout Coat	Accelera One	Varies	100 sq ft/gal	2, 10 or 50 gals
<50 g/L	Seal Coat	Accelera One	Varies	200 sq ft/gal	2, 10 or 50 gals

\*Under certain conditions, an exudate can form on the surface of cured 4684. If an additional coat of 4686 is required, the surface should be sanded with a fine grit medium (80-120 grit or finer) and then solvent wiped prior to recoating.

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

### APPLICATION INFORMATION @ 3/16"-1/4"

#### SURFACE PREPARATION – GENERAL

Sherwin-Williams systems can be applied to a variety of substrates if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Sherwin-Williams Technical Service Department prior to starting the project. Refer to Surface Preparation Form G-1.

#### SURFACE PREPARATION – CONCRETE

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile equal to CSP 4-6. Refer to Form G-1.

Consult the Sherwin-Williams Technical Service Department if oil or grease is present.

After initial preparation has occurred, inspect the concrete for bugholes, 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.

#### TEMPERATURE

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

**FASTOP MULTI 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 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 in 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. Using a smaller trowel may result in a loss of the radius once the floor is tied in. Lightly misting cove trowel with water works well as a trowel lube. Do not use isopropyl alcohol. Carefully remove tape and finish rough edges. Install floor once cove is hard to the touch, about 2½ 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).

**OPTIONAL RESUFLO AQUA 3477 PRIMER – 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 square feet 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.

**FASTOP MULTI SLURRY AND FLAKE BROADCAST – 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 lb. aggregate and 1 premeasured 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. Backroll 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 flakes into wet slurry.
4. Allow to cure for 3-5 hours, must be hard enough to stand or walk on without leaving marks.

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.

**ACCELERA ONE GROUT AND TOPCOAT – MIXING AND APPLICATION**

Accelera One resin requires the addition of Accelera One hardener to cure. The amount of hardener will vary based on ambient temperature.

60°F (16°C): Use 7.5 oz of hardener/1 gallon of resin

65°F (18°C): Use 7.0 oz of hardener/1 gallon of resin

70°F (21°C): Use 6.5 oz of hardener/1 gallon of resin

75°F (24°C): Use 6.0 oz of hardener/1 gallon of resin

80°F (27°C): Use 5.5 oz of hardener/1 gallon of resin

85°F (29°C): Use 5.0 oz of hardener/1 gallon of resin

Proper planning is essential for satisfactory appearance of the finished floor. Lay out installation in sections to allow full width to be finished in 7 minutes or less.

NOTE: This product is best suited for application in temperatures between 60°F and 85°F and jobsite relative humidity between 25% and 85%. Surface temperature should be 5°F above the dew point.

NOTE: The minimum recoat window is 2 hours (@70°F/50% RH) and the maximum recoat window is 48 hours (@70°F / 50% RH). Recoat window starts from the time the products are mixed.

NOTE: For each application of material and before mixing, mark your batches to ensure you achieve your spread rate targets. This is best accomplished by dividing your target spread rate by the width of the area being coated (or your planned wet edge). Example: If your spread rate is 100 square feet and your area is 20 feet wide you would make a mark every 5 feet (100 divided by 20 = 5).

**MANPOWER REQUIREMENTS (@70°F AND 50% RH)**

Because of the fast curing of Accelera One products assign one person to each job – do not multi-task:

- 1 person mixing
- 1 person running pails
- 1 person squeegee
- 1 person back-rolling

**NOTES:**

- Additional manpower will be required for complex installations requiring cut-in work.
- Above manpower applies to maximum 40 foot wet edge

**GROUT COAT APPLICATION**

Grout Coat Spread Rate: 100SF/Gal @ 16mils

MIX AND APPLY ONE BATCH AT A TIME - DO NOT MIX HARDENER AND RESIN TOGETHER UNTIL BATCH IS READY FOR IMMEDIATE APPLICATION. ACCLIMATE MATERIAL TO JOB SITE CONDITIONS BEFORE STARTING.

Measure the amount of hardener according to the mix ratio chart provided above. Pour the hardener into the resin container; scrape bottom and sides with a mix stick to assure that all material is transferred to the resin bucket. Use the hardener pail to scrape the mix stick and never scrape mix stick on the side of the mix pail. Using a 750 RPM drill with a 3" jiffler blade, mix the resin and hardener for 30 seconds. Material should be clear and no streaks should be present. Use a 5" jiffler blade for larger mixes.

Pour the entire batch onto the floor in a 4 to 6" ribbon. Use a flat squeegee over broadcast surfaces to spread the material evenly. Spread rate will vary depending on substrate, broadcast media and finish texture desired.

Cross roll the material pushing a 3/8 inch nap roller in the same direction immediately after the squeegee to ensure there are no puddles. All rolling should be completed within 15 minutes. Allow to cure for 2 hours (@ 70°F/50% RH).

**TOPCOAT APPLICATION**

Topcoat Spread Rate: 200SF/gal @ 80 mils.

## 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 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 (40-90°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.

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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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