

ACCELERA® C

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

APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 3-4

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT	PACKAGING
< 50 g/L	Primer	Accelera standard, LH or EXT	Small & Large Units	38 sq ft/Sm - 115 sq ft/Lg	Sm ~ .25 gal, Lg ~.75 gal
< 50 g/L	Basecoat	Accelera standard, LH or EXT pigmented 6750/6755	Small & Large Units To Excess	38 sq ft/Sm - 115 sq ft/Lg 100/150 lbs/1000 sq ft	Sm ~.25 gal, Lg ~.75 gal 50 lbs
< 50 g/L	Grout	Accelera standard, LH or EXT	Small & Large Units	22 sq ft/Sm - 65 sq ft/Lg	Sm ~.25 gal, Lg ~.75 gal
< 50 g/L	Topcoat (optional)	Accelera standard, LH or EXT	Small & Large Units	67 sq ft/Sm - 200 sq ft/Lg	Sm ~.25 gal, Lg ~.75 gal

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

IMPORTANT!

Read these instructions carefully several days prior to starting your work. Seek answers to any questions you may have before you begin. Sherwin-Williams HPF maintains a technical staff that will be glad to answer your questions and give you advice pertaining to your particular installation.

SYSTEM OVERVIEW

Accelera C is a 100% solids, low-odor, decorative vinyl chip system consisting of a pigmented primer, a clear body coat with a decorative chip broadcast, and a clear topcoat, all utilizing Accelera (Accelera, Accelera LH, and Accelera EXT) resins and hardeners. Total nominal system thickness is 44 mils.

SURFACE PREPARATION

Surface should be profiled, clean, dry, oil free and sound. Shot Blasting is the preferred preparation method. Please refer to the master Surface Preparation Guide for more information. Never feather edge Accelera C, always terminate in a keyway groove at doorways, drains and exposed edges.

MOISTURE CONCERNS

Please refer to the Floor Evaluation Guidelines in the Contractor’s Center of our website for a step-by-step process to determine the condition of the concrete.

MIXING AREA

Select a convenient mix area and protect the surface from spillage by covering it with a sheet of plastic and a layer of cardboard. Be generous with the amount of space allocated for this function. The more comfortably your mixer works, the less likely you are to have a “mix error”. Please refer to our Mix Station video on our website for more information.

STORAGE CONDITIONS

Accelera resin and hardener must be stored dry. Do not allow resins to freeze. The shelf life for Accelera (Standard, LH, and EXT) products is - Gloss Finish Resins: 12 months, Satin Finish Resins: 6 months, and Hardeners: 6 months - from the date of manufacture in the original unopened container. Products must be stored in temperatures no less than 60°F and no greater than 85°F.

JOINT GUIDELINES

Refer to the Joint Guidelines on our website for complete details.

APPLICATION METHOD

Proper planning is essential for satisfactory appearance of the finished floor. Lay out installation in sections to allow full width to be finished in 5 minutes or less (@70°F/50% RH).

NOTE: Normal recoat window is 16 hours (@70°F/50% RH). If recoating between 16 and 24 hours, Accelera can be sanded and recoated. Beyond 24 hours, sand and degloss the surface and use Accelera EXT with Accelera BP additive. (Refer to Accelera BP Product Data Sheet for more details.)

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).

NOTE: Recoat window starts from the time the products are mixed.

NOTE: These application instructions are based on using the standard large kit. A small kit (=1/3 large kit) is available for topcoating coving and smaller areas.

NOTE: Application of Accelera where jobsite relative humidity is less than 30% is NOT recommended. Use Accelera LH resin for applications where jobsite relative humidity is between 10% and 30%. Spread rates are the same for both Accelera and Accelera LH.

NOTE: Cooler temperatures will increase cure time – plan accordingly.

MANPOWER REQUIREMENTS

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

- 1 person mixing
- 1 person running pails
- 1 person squeegee
- 1 person cross rolling
- 1 person broadcasting for every 15 linear feet of wet edge

NOTES:

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

PRIMER

Accelera C utilizes Accelera resins and hardener that is supplied in pre-measured units.

MIX AND APPLY ONE BATCH AT A TIME - DO NOT MIX HARDENER AND RESIN TOGETHER UNTIL BATCH IS READY FOR IMMEDIATE APPLICATION.

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 the mix stick on the side of the mix pail. Using a ½" 750 RPM drill with a 3 inch Jiffler blade, mix the resin and hardener for 30 seconds. Pour the entire batch onto the floor in a 4" to 6" ribbon. Using a 1/8" v-notched squeegee, spread the material evenly at approximately 115 square feet per kit. 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 5 minutes. Allow to cure for 2 hours (@ 70°F/50% RH) - If using Accelera EXT, complete all rolling in 5-10 minutes and allow to cure for 2-3 hours.

BROADCAST COAT

Pour the hardener into the resin container, scraping the 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 the mix stick on the side of the mix pail. Using a ½" 750 RPM drill with a 3 inch Jiffler blade, mix the resin and hardener for 30 seconds. Pour the entire batch onto the floor in a 4" to 6" ribbon. Using a 3/16" v-notched squeegee, spread the material evenly at approximately 115 square feet per kit. 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 5 minutes.

Wear spiked shoes while broadcasting chips up into the air and letting them fall onto the floor. Make sure the broadcast is dispersed evenly over the entire floor area at a rate of 0.1 lbs per square foot for macro chips and .15 lbs per square foot for micro chip. Broadcasting needs to be completed within 10 minutes of mixing. Do not roll or walk back into areas that have been broadcast. Allow to cure for 2-3 hours (@ 70°F/50% RH). Use a vacuum to remove excess loose chips. Scrape the floor with a trowel or floor scraper. Vacuum the floor again.

GROUT COAT/TOPCOAT

Pour the hardener into the resin container; scraping the 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 the mix stick on the side of the mix pail. Using a ½" 750 RPM drill with a 3 inch Jiffler blade, mix the resin and hardener for 30 seconds. Pour the entire batch onto the floor in a 4" to 6" ribbon. Using a flat squeegee, spread the material evenly at approximately 65 square feet per kit. 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 5 minutes. Allow to cure for 2 hours (@ 70°F/50% RH) - If using Accelera EXT, complete all rolling in 5-10 minutes and allow to cure for 2-3 hours.

OPTIONAL 2ND TOPCOAT

If an Orange Peel Texture is desired, apply a second topcoat using a flat squeegee and cross roll with a 3/8" nap roller at the rate of 200 square feet per kit.

IMPORTANT!

Before using Sherwin-Williams High Performance Flooring products, read and understand their accompanying Safety Data Sheet.

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT [industrial.sherwin-williams.com/na/us/en/resin-flooring](https://www.industrial.sherwin-williams.com/na/us/en/resin-flooring) FOR THE LATEST VERSION.

CAUTION! As with all chemical products, individuals may have different reactions to exposure to specific products. This is dependent upon many factors, including the individual's personal characteristics, the size of the installation, the ventilation available, the intensity of the exposure or the length of the exposure. Individuals may experience discomfort during the installation process of one product, but not another.

In some cases this is experienced as a skin irritation and in others it is experienced as an inhalant irritation. Typically, it disappears once the exposure is eliminated. In some cases people can become "sensitized" to a product and experience the discomfort every time there is exposure without Personal Protective Equipment ("PPE").

To protect yourself from various exposures or discomfort during the mixing and application of our products, we recommend covering exposed skin including using gloves, long sleeves, safety glasses and a respirator such as the 3M 8577 P95 Universal Disposable Carbon Respirator or a cartridge respirator.

Use only as directed. KEEP OUT OF REACH OF CHILDREN.

Do not reseal moisture-contaminated hardener. This will result in carbon dioxide generation or possible violent rupture of container.

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

[sherwin-williams.com/resin-flooring](https://www.sherwin-williams.com/resin-flooring)

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