

ACCELERA® S

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

APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 2-3

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT	PACKAGING
< 50 g/L	Primer	Accelera EXT	Small & Large Units	115-150 sq ft/Lg	Sm. ~.25 gal, Lg. ~.75 gal
< 50 g/L	Topcoat	Accelera EXT	Small & Large Units	65-75 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 S is a two-component proprietary blend of polymers featuring fast-curing applications of a pigmented primer followed by a pigmented topcoat for a smooth, high-gloss finish. Total nominal system thickness is 24 to 30 mils.

SURFACE PREPARATION

Surface should be profiled, clean, dry, oil free and sound. Diamond grinding is the preferred preparation method. Please refer to the master Surface Preparation Guide for more information. Never feather edge Accelera S, 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 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 EXT resin and hardener must be stored dry. Do not allow resins to freeze.

The shelf life for Accelera EXT 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 for complete details on our website

APPLICATION METHOD

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).

Proper planning is essential for satisfactory appearance of the finished floor. Lay out installation in sections to allow full width to be finished in 10 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 S can be sanded and recoated. Beyond 24 hours, sand and degloss surface and use Accelera EXT with Accelera BP additive. (Refer to Accelera BP Product Data Sheet for more details.) **NOTE: Recoat window starts from the time the products are mixed.**

NOTE: These application instructions are based on using the standard large kit of Accelera EXT. (Using Accelera Regular or Accelera LH may result in roller lines due to shorter working time).

NOTE: Temperatures below 60°F and/or relative humidity below 30% will substantially 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 back rolling
- 1 person cross rolling

NOTES:

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

PRIMER

Accelera S utilizes Accelera EXT pigmented resin and hardener for both primer and topcoat and 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 45 seconds. Pour the entire batch onto the floor in a 4" to 6" ribbon. Using a 1/8" notched squeegee, spread the material evenly at approximately 115 to 150 square feet per kit, making sure to achieve your desired spread rate. Cross roll and back roll the material, pushing and lifting a 3/8 inch nap roller in one direction to ensure there are no puddles. All rolling should be completed within 10 minutes. Allow to cure for 3 hours (@ 70°F/50% RH).

TOPCOAT

Pour the hardener into the pre-mixed 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" notched squeegee, spread the material evenly at approximately 60 to 75 square feet per kit, again making sure to achieve your desired spread rate. Cross roll and back roll the material, pushing and lifting a 3/8 inch nap roller in one direction to ensure there are no puddles. All rolling should be completed within 10 minutes. Allow to cure for 3 hours (@ 70°F/50% RH).

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 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

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