

## CRYLAFLOR™ SL

The following information is to be used as a guideline for the installation of the Crylaflor SL 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             |
|----------------|------------------|---------------------------------|-----------------------|-------------------------------|-----------------------|
| < 100 g/L      | Primer           | Crylaflor P101                  | Varies by Temperature | 80-120 sq ft/gal              | 5 or 50 gal           |
| < 100 g/L<br>0 | Basecoat         | Crylaflor G201<br>MMA SL Filler | Varies by Temperature | 40 sq ft/1.75 gal<br>40 lbs   | 5 or 50 gal<br>40 lbs |
| 0              | Broadcast        | Flintshot Quartz                | To Excess             | 750 lbs/1000 sq ft            | 50 lbs                |
| < 100 g/L      | Grout            | Crylaflor T301/T303             | Varies by Temperature | 80-90 sq ft/gal               | 5 or 50 gal           |
| < 100 g/L      | Topcoat          | Crylaflor T301/T303             | Varies by Temperature | 90-100 sq ft/gal              | 5 or 50 gal           |

If using Q-Rok broadcast aggregate, the grout and topcoat coverages will decrease. Contact your Sherwin-Williams Representative.

### GENERAL

Crylaflor SL is a 100% reactive, fast curing, high strength, methyl methacrylate (MMA)-based, acrylic flooring system. The nominal 3/16 (Flintshot) - 1/4 (Q-Rok) inch (4.75-6 mm) overlay system is comprised of primer, self-leveling body coat with Flintshot or Q-Rok broadcast, and topcoats. This system cannot be thinned with solvents.

### COLORS

Crylaflor SL is available in assorted standard colors. Custom colors are available upon request.

### SURFACE PREPARATION

The substrate must be dry and free of oil, grease, dirt, bituminous and other contaminants. Unsound concrete and laitance should be removed by appropriate mechanical means. Please refer to the Surface Preparation Guide on our website for more information.

### MOISTURE CONCERNS

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

### BOND TEST

Prior to application of the primer, bond tests shall be conducted to determine adequacy of substrate preparation. The bond of the primer to the substrate should be greater than the tensile strength of the substrate. A successful test shows substrate material and sheared aggregate adhering fully to the sample. If only laitance or a small amount of the substrate is attached, further preparation is required. Please refer to the Bond Test Guide on our website for more information.

### JOINT GUIDELINES

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

### VENTILATION

Prior to any application, proper "negative pressure" ventilation must be established. Please refer to the Ventilation Guidelines on our website for details.

### APPLICATION METHOD/SPREAD RATE

All MMA resins require the addition of Crylaflor Cure (BPO) to cure. To determine the correct amount of BPO necessary, refer to the Crylaflor Mixing Chart. BPO usage is a function of the material and substrate temperature. **Therefore, the temperature of the floor must be measured prior to any mixing or application of material.**

Due to the fast cure of the material, only make enough material to be applied in 5 minutes. A typical batch size of primer or topcoat is usually 1 gallon (4 liters). Warmer conditions may dictate a smaller batch size. The primer is applied with a brush or roller at 80-100 square feet per gallon (2-3 m<sup>2</sup> per liter) to achieve an even, puddle-free surface. Substrates that are very porous may require an additional coat. Rough surfaces and holes must be patched with the appropriate Crylaflor system before the body coat is applied. Based on the temperature, add the proper amount of BPO to the Crylaflor P101. Mix for 30-60 seconds or until the BPO is completely dissolved. Pour an even ribbon of material out onto the floor and roll to the proper thickness. The primer will cure tack free in 45-60 minutes.

If Crylaflor Bond is used with primer, the next coat must be applied within 16 hours. Failure to do this could result in inadequate inter-coat adhesion.

The self-leveling body coat is composed of 7 quarts (6.7 liters) of Crylaflor G201 resin, one 40 lb (18.1 kg) bag of MMA SL Filler Blend, Crylaflor Cure (BPO) and Crylaflor Color pigment (8 ounces per batch). This mix will yield 40 square feet (3.5 m<sup>2</sup>) at 1/8 inch (3 mm) thick. The mix procedure is to first add Crylaflor G201 to a clean 5 gallon (19 liter) plastic bucket. Next, add the proper amount of BPO per the Crylaflor Mixing Guide and Crylaflor Color pigment and start mixing with a 5 inch (100 mm) Jiffier mixer. Continue to mix and slowly add the SL Filler Blend. A homogenous mix should be achieved in one minute. Make sure there are no lumps of sand. The mix is poured into the wet edge of the previous placed material. Trowel or gage rake (pin style) to the proper thickness; use a spiked roller to release any trapped air. Use Crylaflor Clean in a tray to keep gage rake, spiked roller and trowels clean.

**Note:** If the gauge rake is set to 2 quarters thickness (for 1/8 inch) the yield is very consistent. The rake must be checked periodically as the pins do wear.

Broadcast Flintshot or Q-Rok into the wet material at approximately 0.75 lbs per square foot (3.75 kg per m<sup>2</sup>). Keep broadcast 6 feet (1.8 m) back from the wet working edge. Let material cure and sweep off excess aggregate. When broadcasting aggregate, make sure to throw it high and let it "rain down" into the surface. Do not throw at an angle as this can result in ripples.

The cured system is topcoated with two pigmented coats of Crylaflor T301. The first topcoat is applied by roller at 80-90 square feet per gallon (Flintshot) or 50-60 square feet per gallon (Q-Rok). The second topcoat is applied by roller at 90-100 square feet per gallon (Flintshot) or 70-90 square feet per gallon (Q-Rok). If a smoother finish is required, the surface may be sanded in between coats.

## CURE

Crylaflor SL components will typically cure in 45-60 minutes. The floor is fully functional one hour after completed application. **IMPORTANT, DO NOT APPLY THE TOPCOAT TOO THIN.** It may not cure properly, and it will pick up dirt and wear prematurely.

## PACKAGING

Crylaflor SL resins are available in 5-gallon (19 liter) pails and 50-gallon (190 liter) drums. Crylaflor Cure is available in 1-gallon (3.8 liter) cans, 5-gallon (19 liter) pails and 55 lb (25 kg) boxes. Aggregate is available in 50 and 100 lb (22.7-45 kg) bags. SL Filler Blend is packaged in 40 lb (18.1 kg) bags.

## CLEANING

This product is considered to be part of a low-maintenance flooring solution; however, certain textures and service environments require specific procedures. Please refer to the master Cleaning Guide on our website.

## STORAGE CONDITIONS

Store in a cool and dry place, below 85°F, out of direct sunlight. Do not store near open flame or food. The shelf life is 6 months from ship date in the original unopened containers.

## CAUTION

Crylaflor SL resins are flammable liquids in their uncured state. Smoking, open flames or sparks should not be permitted during the handling of the product. Workers should wear protective clothing consisting of splash-proof goggles, impermeable gloves and, where exposure limits are exceeded, an organic vapor respirator should be used. Air-powered or explosion-proof mixing equipment is required. Adequate cross ventilation should be provided and explosion-proof fans may be required. All foodstuffs must be removed during application of the system. **Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN. If substrate and/or material temperature is above 90°F (32°C), DO NOT apply material. Detailed application instructions should be obtained, read and understood prior to commencement of application.**

**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.

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

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