CRYLAFLOR™ GARD SL

The following information is to be used as a guideline for the installation of the Crylaflor Gard 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	80-100 sq ft/gal	5 or 50 gal
<100 g/L 0	Basecoat	Crylaflor G201 Crylaflor SL Filler	Varies by Temperature	40 sq ft/1.75 gal 40 lbs	5 or 50 gal 40 lbs/bag
<100	Topcoat	Crylaflor T301/T303	Varies by Temperature	80-125 sq ft/gal	5 or 50 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.

SURFACE PREPARATION

Surface must be sound, dry and perfectly clean, free of all oil, grease, detergent film, sealers and/or curing compounds. A CSP 3 is appropriate for most applications. Please refer to the Surface Preparation Guidelines on our website for detailed instructions. No coatings should be applied unless surface temperature is a minimum of 5°F above dew point. See Dew Point Calculation Chart on our website for detailed instructions.

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).

MIXING AREA

Select a convenient mix area and protect the surface from spillage by covering with a layer of cardboard and/or sheet of plastic. Be generous with the amount of space you allocate for this function. The more comfortably your mixer works, the less likely you are to have a “mix error”. Make ready all necessary tools, mix and measure containers, etc. DO NOT MIX ANY EPOXY UNTIL READY FOR IMMEDIATE USE. Once hardener and resin are combined, it must be used without delay. Working time is dependent on choice of hardener, size of batch, time to place on floor and temperature of floor and product. Apply masking tape to wherever coating is intended to stop. To obtain neat, straight, chip-resistant edges at termination points and/or drains, a “keyed edge” must be installed.

JOINT GUIDELINES

Refer to the Joint Guidelines on our website for complete 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^2 per liter) to achieve an even, puddle-free surface. Substrates that are very porous may require an additional coat. Roller coats are applied with 1/2 inch (13 mm) nap roller. Rough substrates may require a longer nap to avoid puddles. 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 30-60 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 SL Filler Blend sand, 4 ounces of Crylaflor Color and the proper amount of Crylaflor Cure (BPO). This mix will yield 40 square feet (3.5 m^2) at 1/8 inch (3 mm) thick.

NOTE: If the gage 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.

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 start mixing with a 5 inch (100mm) Jiffler mixer. Continuing to mix, add pigment and slowly add SL Filler Blend. A homogeneous 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 and use a plastic spiked roller to release any trapped air. Use Crylaflor Clean in a tray to keep gage rake, spiked roller and trowels clean. Be sure to clean your tools every 10-15 minutes. The cured system is topcoated with the Crylaflor T301 clear resin at 80-125 square feet per gallon (2-2.4 m^2 per liter).

CURE

Crylaflor Gard 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; it will pick up dirt and wear prematurely.

CAUTION

Crylaflor Gard 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. 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. 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** FOR THE LATEST VERSION.

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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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