

CRYLAFLO[™] DECO QUARTZ

The following information is to be used as a guideline for the installation of the Crylaflor Deco Quartz 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	First Broadcast	Crylaflor G201 5900F	Varies by Temperature To Excess	80-100 sq ft/gal .3-.5 lb/sq ft	5 or 50 gal 50 lbs
< 100 g/L 0	Second Broadcast	Crylaflor G201 5900F	Varies by Temperature To Excess	80-100 sq ft/gal .3-.5 lb/sq ft	5 or 50 gal 50 lbs
< 100 g/L	Grout	Crylaflor T301/T303	Varies by Temperature	60-80 sq ft/gal	5 or 50 gal
< 100 g/L	Topcoat	Crylaflor T301/T303	Varies by Temperature	80-100 sq ft/gal	5 or 50 gal

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

GENERAL

Crylaflor Deco Quartz is a 100% reactive, fast curing, high strength, methyl methacrylate (MMA)-based, acrylic flooring system. A nominal 1/8 inch overlay system is composed of primer, double broadcast of decorative flakes and topcoats. This system cannot be thinned with solvents.

COLORS

Crylaflor Deco Quartz uses 5900F colored quartz aggregate. Color options are standard colors and custom color blends. Refer to the Deco Quartz Color Chart on our website.

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. Refer to the Surface Preparation Guide on our website for detailed instructions.

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. Refer to the Bond Test Guide on our website for more.

APPLICATION METHOD/SPREAD RATE

All MMA resins require the addition of Crylaflor Cure (BPO) to cure. The proper amount of BPO can be found on the Crylaflor Mix Chart on our website. 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 that can be properly applied based on floor layout and manpower. A typical batch size of primer or topcoat is usually 1 gallon (4 liters). Hot and/or windy conditions may dictate a smaller batch size. All MMA coats are applied with a brush and roller to achieve an even, puddle-free surface. Substrates that are very porous may require an additional primer coat. Roller coats are applied with 3/8 or 1/2-inch (13 mm) nap rollers.

The application spread rate and material thickness will vary based on wind speed and temperature.

Based on the temperature, add the proper amount of BPO to the Crylaflor P101. Mix for 45 seconds or until the BPO is completely dissolved. Pour an even ribbon of material out onto the floor and roll out at 80-100 square feet per gallon. The primer coat will cure tack free in 30-60 minutes and must be fully cured before applying subsequent coats.

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 first coat of Crylaflor G201 is applied by brush and roller to achieve an even, puddle-free surface at 80-100 square feet per gallon. 5900F is broadcast into the wet material at 0.3-0.5 lbs. per square foot. **Do not over broadcast, only apply enough sand to cover the wet resin.** Over broadcasting can result in the resin not curing properly. Keep broadcast 3 feet back from wet edge. After the material has cured, sweep/blow off the excess/loose colored quartz.

Apply a second coat of Crylaflor G201 by brush and roller to achieve an even, puddle-free surface at 80-100 square feet per gallon. 5900F colored quartz is broadcast at 0.3-0.5 lbs. per square foot. Let material cure and again remove all excess aggregate.

The cured system is topcoated with two coats of Crylaflor T301 sealer by brush and roller to achieve an even, puddle-free surface.

Do not over-dose the Crylaflor Cure. Excessive BPO will result in discoloration of the topcoat.

Working time is based on a temperature of **70°F**. Working times will be slightly longer at lower temperatures and slightly shorter at higher temperatures. **Never** apply any material when the temperature is **90°F** or above or the wind speed is higher than 7 mph. It is important to anticipate if the working area will be exposed to sunlight during the application because a rapid increase in temperature will occur on the substrate.

CURE

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

JOINT GUIDELINES

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

PACKAGING

Crylaflor Deco Quartz 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. 5900F decorative aggregate is available in 50 lb (22.7 kg) bags.

STORAGE CONDITIONS

Store in a cool and dry place below 85°F (30°C), 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 Deco Quartz 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 if necessary, explosion-proof fans may be required. All foodstuffs must be removed during application of the system.

If substrate and/or material temperature is above 90°F (32°C), DO NOT apply material.

CLEANING

Warning

Pool decks are predominantly wet surfaces that will require daily cleaning with E-Z Clean detergent to aid in the removal of dirt, grime, debris, lotions, soaps and oils.

Without a regular maintenance program to remove the accumulation of the above mentioned contaminants, there is an increased risk of slip and fall accidents.

To remove hard water deposits (lime scale), periodic use of an acid-based cleaner such as Lime Away can be used.

For proper cleaning instructions, please refer to our Cleaning Guidelines in the Contractor Center on our website. A floor cleaning training video is also available on the website.

Additional quantities of E-Z Clean detergent may be purchased by calling (800) 253-3539.

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

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