DUR-A-FLEX
INNOVATION FROM THE FLOOR UP

PRODUCT DATA SHEET

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CRYL-A-GARD SL

GENERAL

CRYL-A-GARD SL is 100% reactive, fast curing, high strength, methyl methacrylate (MMA) based, acrylic flooring system. A 1/8-1/4 inch (3-6 mm) overlay system is composed of primer, self-leveling body coat and topcoat(s). Surface finish is typically smooth. This system cannot be thinned with solvents.

COLORS

CRYL-A-GARD SL is available in assorted standard colors. Please refer to the Standard Color Chart on our website. Custom colors are available upon request.

TYPICAL USES

- Laboratories
- Traffic Aisles
- Heavy Industry
- Walk In Coolers
- Loading Docks
- Manufacturing Areas
- Bottling Areas
- Freezers

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 DUR-A-FLEX 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. Refer to the Bond Test Guide on our website for more information.

VENTILATION

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

APPLICATION METHOD / SPREAD RATE

All MMA resins require the addition of CRYL-A-CURE (BPO) to cure. To determine the correct amount of BPO necessary, refer to the CRYL-A-FLEX 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 - 125 Sq Ft 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 CRYL-A-FLEX system before the body coat is applied. Based on the temperature, add the proper amount of BPO to the CRYL-A-PRIME P-101. 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 CRYL-A-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 CRYL-A-GLAZE G-201 resin, one 40 lb (18.1 kg) bag of SL Filler Blend sand, 4 ounces of CRYL-A-COLOR and the proper amount of CRYL-A-CURE (BPO). This mix will yield 40 Sq Ft (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 CRYL-A-GLAZE to a clean 5 gallon (19 liter) plastic bucket. Next, add the proper amount of BPO per the CRYL-A-FLEX 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, use a plastic spiked roller to release any trapped air. Use CRYL-A-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 CRYL-A-TOP T-301 clear resin at 80-125 Sq Ft per gallon (2-2.4 m² per liter).

CURE

CRYL-A-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.

TECHNICAL INFORMATION

CRYL-A-GARD SL is part of a family of repair and wearing materials supplied by DUR-A-FLEX. If you require further information on this or any of our other products please contact our Technical Department.

CLEANING

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

PACKAGING

CRYL-A-GARD SL resins are available in 5-gallon (19 liter) pails and 50-gallon (190 liter) drums. CRYL-A-CURE is available in 1-gallon (3.8 liter) cans, 5-gallon (19 liter) pails and 55 lb (25 kg) boxes. SL Filler Blend is packaged in 40 lb (18.1 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.

JOINT GUIDELINES

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

CAUTION

CRYL-A-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.