

## CRYL-A-QUARTZ SL

### DESCRIPTION

CRYL-A-QUARTZ SL is a 100% reactive, fast curing, high strength, methyl methacrylate (MMA) based, acrylic flooring system. It is a 3/16 - 1/4 inch (4.75-6 mm) self-leveling overlay system with a colored quartz aggregate broadcast and topcoats. This system cannot be thinned with solvents.

### BENEFITS

- VOC compliant, <100 g/L
- Fast cure, full strength in less than one hour
- NSF Registered
- Indoor and outdoor applications
- UV resistant
- Resistant to chemical attack
- Seamless, no cold joints, always bonds to itself
- Meets USDA/FDA and CFIA requirements
- Use over a wide temperature range, even below freezing
- Available with Bio-Pruf® antibacterial and fungal additive

### COLORS

CRYL-A-QUARTZ uses DUR-A-FLEX decorative aggregate. It is available in standard colors and in two sizes. Color options are standard colors and custom color blends. Please refer to Quartz Color Selector Chart.

### TYPICAL USES

- Laboratories
- Traffic Aisles
- Heavy Industry
- Walk In Coolers
- Loading Docks
- Manufacturing Areas
- Food Processing Areas
- Bottling Areas
- Freezers
- Grocery Stores

### 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.

### BOND TEST

Prior to full application of the primer, bond tests shall be conducted to determine adequacy of substrate preparation and bond. 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.

### APPLICATION METHOD / SPREAD RATE

CRYL-A-PRIME should be applied by brush or roller at 80-125 Sq Ft per gallon (2-3m<sup>2</sup> per liter). Substrates that are very porous may require an additional primer application. Body coat is composed of 7 quarts (6.7 liter) of CRYL-A-GLAZE resin, a 40 lb (18.1 kg) bag of SL Filler Blend, pigment and CRYL-A-CURE. This mix will yield 40 Sq Ft at 1/8 inch (3.5 m<sup>2</sup> at 3 mm) thick. Trowel or gage rake to the appropriate thickness, then use a spiked roller to release any trapped air. Broadcast in DUR-A-FLEX decorative aggregate, Q-11 or Q-28 at an approximate rate of 0.75 lbs per Sq Ft (3.75 kg per m<sup>2</sup>). The cured system is top coated with two coats of CRYL-A-TOP at 70-100 Sq Ft per gallon (2-2.4 m<sup>2</sup> per liter) per coat. The appropriate amount of CRYL-A-CURE is determined by the use of the CRYL-A-FLEX Mixing Chart and is a function of the material and substrate temperature. The CRYL-A-CURE is added to the resin and thoroughly dispersed. Due to the material's relatively short pot life, only make enough material to be applied in five minutes.

### CURE

CRYL-A-QUARTZ SL system will cure typically in 45-60 minutes. At this time the floor is fully functional.

### **PACKAGING**

CRYL-A-QUARTZ 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 available in 40 lb (18.1 kg) bags.

### **TECHNICAL INFORMATION**

CRYL-A-QUARTZ SL is part of a family of special 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.

### **PHYSICAL CHARACTERISTICS**

Percent Reactive	100%
VOC	<100 g/L
Pot Life @ 68 F (20 C)	10-20 minutes
Cure Rate @ 68 F (20 C)	30-60 minutes
Recoat Time	60 minutes
Tensile Strength	2,175 psi (15 N/mm <sup>2</sup> )
Compressive Strength (Filled System)	6,000-8,000 psi (41-56 N/mm <sup>2</sup> )

### **CHEMICAL RESISTANCE**

This product is resistant to many common chemicals. Please refer to the master “**Chemical Resistance Chart**” for actual resistance to specific chemicals/reagents.

### **GUIDE SPECIFICATIONS**

This product is part of the DUR-A-FLEX family of polymer systems. Please contact DUR-A-FLEX for complete three part guide specs.

### **DRAWINGS AND DETAILS**

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please contact DUR-A-FLEX for actual drawings.

### **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**”.

### **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**

Adequate cross ventilation should be provided. Read, understand and follow Material Safety Data Sheets and Application Instructions of this flooring system prior to use. Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. **If substrate and/or material temperature is above 90 F (32 C), Do Not apply material.**

### **JOINT GUIDELINES**

Refer to the [Joint Guidelines](#) for complete details on our website

### **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.

***Before using any DUR-A-FLEX, Inc. product, be sure the Material Safety Data Sheet is read and understood.***