



## CRYL-A-STAIN

### PRODUCT DESCRIPTION

CRYL-A-STAIN is a 100% reactive, fast curing, methyl methacrylate (MMA) based acrylic stain floor coating system. Different color MMA based tints can be added to the primer and/or topcoat(s) to seal and give a translucent color to concrete substrate. This system is a high wear and low maintenance alternative to traditional methods of staining and dyeing concrete. The typical system consists of 2 coats yielding a thickness of 30 mils (0.76 mm). The colors are unique to each concrete type and surface. The surface finish can be with a single color or colors can be combined in designs and multi-colors to achieve unique results. Surface finish can be smooth or slip resistant. This system cannot be thinned with solvents.

### BENEFITS

- VOC compliant, < 100g/L
- Excellent bond to substrate
- Bond test allows on site quality assurance
- Low viscosity, good surface penetration
- Fast cure, less than one hour
- NSF Registered
- Indoor and outdoor applications
- UV Resistant
- Seamless, no cold joints, always bonds to itself
- Meets USDA/FDA and CFIA requirements

Available with Bio-Pruf® antibacterial and fungal additive

### TYPICAL USES

- Dining Areas
- Pool Decks
- Retail Space
- Garage Floors
- Showrooms
- Sidewalks & Stairs

### COLORS

CRYL-A-STAIN is available in Blue Steel, Toffee, Caribbean Cove, Summer Sunset, Sedona Pink, Lemon Drop and Tangerine. The additive colors can be mixed to achieve unique colors. The color will be dependent on the concrete substrate. A test patch is required.

### PACKAGING & STORAGE CONDITIONS

CRYL-A-PRIME P-101 and CRYL-A-TOP T-301 are available in 5-gallon (19 liter) pails and 50-gallon (190 liter) drums. CRYL-A-STAIN ADDITIVE is available in 1 pint (0.47 liter), 1 quart (0.95 liter) and 1 gallon (3.9 liter) cans. CRYL-A-CURE is available in 1-gallon (3.8 liter) cans, 5-gallon (19 liter) pails and 55 lb (25 kg) boxes.

Always store in a cool dry area that is below 85 F (30 C) and 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 container.

### SURFACE PREPARATION

The substrate must be dry and free of oil, grease, dirt, bituminous and other contaminants. It is recommended to shot blast the surface to remove all surface contamination, laitance and to open the pores of the concrete. This is followed by diamond grinding to achieve the desired appearance of the concrete surface or exposed aggregate.

### APPLICATION METHOD

Refer to Application Instruction Sheet.

### JOINT GUIDELINES

Refer to the Joint Guidelines for complete details on our website

### MOISTURE CONCERNS

Normal limits for moisture vapor transmission for MMA floor systems are 5 lbs./1,000 sq. ft./24 hour using the calcium chloride test per ASTM F-1869 or 85% relative humidity using in-situ Relative Humidity Testing per ASTM F-2170. Please refer to the Floor Evaluation Guidelines at [www.dur-a-flex.com](http://www.dur-a-flex.com) for complete details.

### CURE

Each application in the CRYL-A-STAIN system will cure in 45-60 minutes. At this time the floor is fully functional.

### **CHEMICAL RESISTANCE**

This product is resistant to many common chemicals. Please refer to the master Chemical Resistance Chart on our website for actual resistance to specific chemicals/reagents.

### **CLEANING**

CRYL-A-STAIN is considered to be a low maintenance product and waxing and stripping is not required. Please refer to the master Cleaning Guide on our website for more detailed cleaning instructions.

### **BOND TEST**

Prior to full application of the primer, bond tests are to 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.

### **TECHNICAL INFORMATION**

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

### **PHYSICAL CHARACTERISTICS**

Solids Content	100% reactive
Pot Life @ 68 F (20 C)	10-20 minutes
Cure Rate @ 68 F (20 C)	25-45 minutes
Recoat Time	45-60 minutes
Tensile Strength	3,550psi (24.5 N/mm <sup>2</sup> )
Tensile Modulus	400,000 psi (2,760 N/mm <sup>2</sup> )
VOC	< 100 g/l

### **CAUTION**

**CRYL-A-STAIN system 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, organic vapor respirators. 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.**

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