

## CRYL-A-CHIP

### DESCRIPTION

CRYL-A-CHIP is 100% reactive fast curing high strength methyl methacrylate (MMA) based acrylic flooring system. It is designed to provide a terrazzo like appearance with the benefits of a seamless floor. It is a 1/16 inch (1.5 mm) overlay system composed of primer, double broadcast of MICRO or MACRO decorative colored chips and topcoats. This system cannot be thinned with solvents. Surface finish can be smooth or slip resistant

### 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 CIFA requirements
- Use over a wide temperature range, even below freezing
- Available with Bio-Pruf® antibacterial and fungal additive

### COLORS

CRYL-A-CHIP is available in MICRO or MACRO size decorative chips. The decorative chips are available in standard blends. Color options include solid colors or custom multi-color pre-blends. Please refer to the MACRO and MICRO Chip Color Selector Chart.

### TYPICAL USES

- |                   |                       |
|-------------------|-----------------------|
| • Laboratories    | • Pharmaceuticals     |
| • Traffic Aisles  | • Manufacturing Areas |
| • Rest Rooms      | • Locker Rooms        |
| • Lobbies         | • Retail              |
| • Animal Research | • Grocery Stores      |
| • Concourse       | • Clean Rooms         |

### 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 a double broadcast of CRYL-A-GLAZE resin and DUR-A-FLEX decorative chips. CRYL-A-GLAZE is roller applied at 100 Sq Ft per gallon (2.4 m<sup>2</sup> per liter) for each coat. DUR-A-FLEX Decorative Chip is broadcast at a rate of 0.1-0.15 lb per Sq Ft (0.5-0.75 kg per m<sup>2</sup>) per coat. The cured system is topcoated with CRYL-A-TOP sealer at 100-125 Sq Ft per gallon (2.4-3 m<sup>2</sup> per liter) for the first coat. Sand with floor buffer to achieve desired texture. A second topcoat of CRYL-A-TOP is applied at 100-125 Sq Ft per gallon (2.4-3 m<sup>2</sup> per liter). The appropriate amount of CRYL-A-CURE is determined by the use of the CRYL-A-FLEX Mixing Chart.

### CURE

CRYL-A-CHIP components will cure typically in 45-60 minutes. The floor is fully functional one hour after completed application.

### **PACKAGING**

CRYL-A-CHIP 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. DUR-A-FLEX decorative chip is available in 10 lb (4.5 kg) or in 55 lb (25 kg) boxes.

### **TECHNICAL INFORMATION**

CRYL-A-CHIP 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.*