DUR-A-FLEX
INNOVATION FROM THE FLOOR UP

PRODUCT DATA SHEET

95 Goodwin Street
East Hartford, CT 06108

Tel: 800-253-3539 • Fax: 860-528-2802 • www.dur-a-flex.com • contact_us@dur-a-flex.com

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 nominal 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

TYPICAL USES

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

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.

PACKAGING & STORAGE CONDITIONS

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.

Store in a cool and dry place below 85º F (30º 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.

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.

APPLICATION METHOD / SPREAD RATE

The system is comprised of a primer coat of CRYL-A-PRIME P-101 followed by two broadcasts of micro or macro chips into CRYL-A-GLAZE G-201. The system is finished with two topcoats of CRYL-A-TOP T-301.

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.

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 for complete details.

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

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

CURE

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

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 ($15\ N/mm^2$)
Compressive Strength (Filled System)	6,000-8,000 psi ($41\text{-}56\ N/mm^2$)

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.**

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