

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 Micropel® 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 pails and 50-gallon drums. CRYL-A-CURE is available in 1-gallon cans, 5-gallon pails and 55 lb boxes. DUR-A-FLEX decorative chip is available in 10 lb or in 40 lb boxes.

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.

SURFACE PREPARATION

Ensure the surface is clean, dry, and free of all contaminants before you begin applying the system. Always honor moving joints and fill static joints as part of the preparation step. Refer to the master Surface Preparation and Joint Guidelines Guide at DUR-A-FLEX.COM for more information.

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

Core Analysis Testing is available from Dur-A-Flex to help provide a measurement of ionic content in flooring substrate. Please refer to the Floor Evaluation Guidelines or visit DUR-A-FLEX.COM for more information.

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.

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.**

CRYL-A-CHIP		
TECHNICAL INFORMATION		
Physical Property	Test Method	Result
Percent Reactive		100%
Hardness (Shore D)	ASTM D-2240	88-92
Compressive Strength	ASTM C-109	8,300 psi
Tensile Strength	ASTM D-638 ASTM D-307	2,000 psi 1,350 psi
Tensile Elongation	ASTM D-638	7.50%
Flexural Strength	ASTM D-790	3,700 psi
	ASTM C-580	2,700 psi
Flexural Module of Elasticity	ASTM D-790	4.7 x 10 ⁵
Linear Expansion	ASTM D-696	3.5 x 10 ⁻⁵
Bond Strength to Concrete		400 psi substrate fails
Indentation	MIL-D-3134	.025 max
Impact Resistance	MIL-D-3134	Pass
Water Absorption	ASTM D-570	0.04%
Heat Resistance Limitation	Intermittent	160°F
	Continuous	140°F
Flammability	ASTM D-635	Self Extinguishing
Flame Spread / NFPA-101	ASTM E-84	Class C
Abrasion Resistance (CS17 wheel 1000gm load 1000 cycles)	ASTM D-4060	29 mg loss
Static Coefficient of Friction	ASTM D-2047	>0.6
VOC Content		80-90 g/L

IMPORTANT!

Before using DUR-A-FLEX products, read and understand its accompanying Safety Data Sheet & Application Instructions for important safety information.

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT **DUR-A-FLEX.COM** FOR THE LATEST VERSION