

PRODUCT DATA SHEET

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CRYL-A-CHIP SL

DESCRIPTION

CRYL-A-CHIP SL 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 3/16 inch (4.75 mm) overlay system, composed of primer, self-leveling overlay with a 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 CFIA 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
- Retail Grocery Stores

Locker Rooms

• Pharmaceuticals

• Manufacturing Areas

• Clean Rooms

COLORS

CRYL-A-CHIP is available in MACRO or MICRO 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 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 supplied in 40 lb (18.1 kg) bags. 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 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

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 prime coat of CRYL-A-PRIME P-101, followed by a body coat consisting of 7 quarts (6.7 liter) of CRYL-A-GLAZE G-201 resin, a 40 lb (18.1 kg) bag of SL Filler Blend, and CRYL-A-CURE. This mix will yield 40 Sq Ft at 1/8 inch (3.5 m² at 3 mm) thick. Trowel or gage rake to the appropriate thickness, then use a spiked roller to release any trapped air. Broadcast in micro or macro chips at an approximate rate of 0.1 to 0.15 lbs per Sq Ft (3.75 kg per m²). The cured system is top coated with two clear coats 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.

"Warranties: Seller warrants that its goods, as described on the face hereof, are free from any defects in material or workmanship. SELLER MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. SELLER SHALL NOT BE LIABLE FOR PROSPECITIVE PROFITS OR SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES. Seller's sole liability and buyer's exclusive remedy for breach of any warranty as expressly limited, at seller's option, to replacement at the original F.O.B. point or refund of purchase price, but in no event will Seller's liability exceed the total purchase price of the defective product. Seller shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended and in accordance with instruction provided for use of product. Any claim for breach of warranty shall be deemed waived unless buyer shall give seller written notice of such claim within sixty (60) days after delivery and shall allow seller reasonable opportunity to investigate claim and inspect product."

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 <u>www.dur-a-flex.com</u> 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 part of 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 SL components will cure typically in 45-60 minutes. The floor is fully functional one hour after completed application.

TECHNICAL INFORMATION

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

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), <u>Do Not</u> apply material.

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