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-FLOOR

DESCRIPTION

CRYL-A-FLOOR is a 100% reactive, fast curing, high strength, methyl methacrylate (MMA) based, acrylic flooring system. It is a nominal 1/8 (flintshot) inch (3 mm) overlay system, composed of primer, double broadcast and topcoats. This system cannot be thinned with solvents.

BENEFITS

- VOC compliant, <100 g/L
- Fast cure, full strength in less than one hour
- NSF, CFIA Registered
- Indoor and outdoor applications
- UV resistant
- Resistant to chemical attack
- Seamless, no cold joints, always bonds to itself
- Meets USDA/FDA guidelines
- Installs over a wide temperature range: 0° - 90°F
- Available with Micropel® anti-bacterial and fungal additive

TYPICAL USES

- Laboratories
- Traffic Aisles
- Heavy Industry
- Walk In Coolers
- Animal Holding
- Loading Docks
- Manufacturing Areas
- Food Processing Areas
- Bottling Areas
- Freezers
- Grocery Stores
- Commercial Kitchens

COLORS

CRYL-A-FLOOR is available in assorted standard colors. Please refer to the Standard Color Chart on our website. Custom colors are available upon request.

PACKAGING & STORAGE CONDITIONS

CRYL-A-FLOOR 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) boxes. Flintshot aggregate is available in 50 lb (22.7 kg) and 100 lb (45.5 kg) bags. 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

Use a shot blaster or surface grinder to achieve a CSP of 2-3 (for non-porous substrates use a CSP of 3 at a minimum), 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 prime coat of CRYL-A-PRIME P-101 followed by two broadcast coats of plain silica sand into pigmented CRYL-A-GLAZE G-201. The system is finished with two top coats of pigmented 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.

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 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.

APPLICATION CHARACTERISTICS

Pot Life @ 68°F (20°C)	10-20 minutes
Cure Rate @ 68°F (20°C)	30-60 minutes
Recoat Time	60 minutes

CURE

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

TECHNICAL INFORMATION

CRYL-A-FLOOR 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 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.**

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.

CRYL-A-FLOOR

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	4.7×10^{5}
Linear Expansion	ASTM D-696	3.5×10^{-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 Continuous	160°F 140°F
Flammability	ASTM D-635	Self Extinguishing
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