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 • Internet: www.dur-a-flex.com • E-Mail: contact_us@dur-a-flex.com

CRYL-A-PRIME P-101

PRODUCT DESCRIPTION

CRYL-A-PRIME P-101 is a 100% reactive, fast curing, high strength, methyl methacrylate (MMA) based, acrylic reactive resin. It is formulated to form a cohesive bond with the substrate. This system cannot be thinned with solvents.

BENEFITS

- VOC compliant, < 100 g/L
- Excellent bond to substrate
- Bond test allows on site quality assurance
- Low viscosity suitable for brush or roller
- Fast cure, less than one hour
- NSF Registered
- Indoor and outdoor applications
- UV Resistant
- Easy application to vertical and horizontal surfaces
- 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

CRYL-A-PRIME P-101 is used to seal and/or prime concrete and other substrates prior to the application of DUR-A-FLEX MMA systems.

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 container.

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. If only laitance or a small amount of the substrate is attached, further preparation is required.

APPLICATION

CRYL-A-PRIME P-101 can be brush or roller applied. DUR-A-FLEX's CRYL-A-BOND may also be added to this primer. This is done to improve the bond strength of the primer when slight dampness or chemical contamination is suspect. When CRYL-A-BOND is used, the next coat must be applied within 16 hours. The appropriate amount of CRYL-A-CURE is determined by the use of the CRYL-A-FLEX Mixing Chart.

CURE

CRYL-A-PRIME P-101 will typically cure in 25-45 minutes. At this time the subsequent application can be performed.

PACKAGING

CRYL-A-PRIME P-101 is available in 5-gallon (19 liter) pails and 50-gallon (190 liter) drums.

TECHNICAL INFORMATION

CRYL-A-PRIME P-101 is one of a wide range of 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.

"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 prospective 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. 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."

PHYSICAL CHARACTERISTICS

Percent Reactive	100%
VOC	<100 g/L
Pot Life @ 68 F (20 C)	10-20 minutes
Cure Rate @ 68 F (20 C)	25-45 minutes
Recoat Time	30-45 minutes
Tensile Strength	3,550 psi ($25\ N/mm^2$)
Tensile Modulus	400,000 psi ($2{,}760\ /mm^2$)

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.

COVERAGE/SPREAD RATES

CRYL-A-PRIME P-101 is applied in one coat at a rate of 80-125 square feet per gallon (2-3 m^2 per liter), depending on the porosity of the substrate. Very porous substrates may require additional primer applications.

CLEANING

CRYL-A-PRIME P-101 is considered to be a low maintenance product. Please refer to the master Cleaning Guide on our website for more detailed cleaning instructions.

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.