

CRYL-A-TEX

PRODUCT OVERVIEW

CRYL-A-TEX is a 100% reactive, fast curing, high strength; methyl methacrylate (MMA) based polymer concrete. It is a three-component mortar consisting of a MMA liquid component, a powder component made from sands and fillers, and CRYL-A-CURE (BPO), which initiates the cure. The mortar can be extended with washed and dried pea gravel to produce a polymer concrete for deeper applications. This system cannot be thinned with solvents.

BENEFITS

- VOC compliant, < 100 g/L
- Fast cure, full strength in 1 - 1½ hours
- 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, 0 F to 90 F
- Can be applied in any thickness

LIMITATIONS

Products are to only be installed at minimum thickness, temperature and guidelines as given in Application Instructions.

TYPICAL USES

- Repair potholes, spalled and eroded concrete
- Rebuild pump bases
- Overlays
- Vertical surfaces, form
- Rebuild joints
- Cove base
- Bridge, highway and runway repair
- Structural repairs
- Sloping
- Grouting
- Anchor bolts

COLORS

CRYL-A-TEX is available in Natural but can be pigmented with 4 fluid ounces of CRYL-A-COLOR. Refer to the Standard Color Chart on our website.

PACKAGING & STORAGE CONDITIONS

CRYL-A-TEX LIQUID is available in 1-gallon cans, 5-gallon pails and 50-gallon drums. CRYL-A-TEX POWDER is available in 31 lb bags. DUR-A-FLEX PEA GRAVEL is available in 50 lb bags in sizes 1/8, 3/8 and ¾ inch.

Store in a cool and dry place below 85 F and 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. Edges of repairs should be keyed-in. The system is not designed to be “feather edged”. Refer to the DUR-A-FLEX Surface Preparation Guide for detailed instructions on our website.

APPLICATION METHOD

Refer to the Application Instructions for complete details on our website.

DRAWINGS AND DETAILS

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. on our website.

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.

BOND TEST

Prior to full application of the primer, bond tests should be conducted to determine adequacy of substrate preparation and bond. Refer to the Application Instructions for complete details on our website.

CURE

CRYL-A-TEX system will cure typically in 1½ hours depending on temperature. At this time the polymer concrete is fully functional or ready for subsequent applications.

PHYSICAL CHARACTERISTICS

Percent Reactive	100%
VOC	<100 g/L
Cure Rate @ 68 F (20 C)	1-1½ hour
Tensile Strength	1,000-1,200 psi (6.9-8.3 mpa)
Compressive Strength	7,000-9,000 psi (48-62 N/mm ²)
Flexural Strength	2,200-2,800 psi (15-19 N/mm ²)

CAUTION

CRYL-A-TEX LIQUIDS are flammable liquids in their uncured state. Smoking, open flames or sparks should not be permitted during the handling of the product. Workers should wear protective clothing consisting of splash-proof goggles, impermeable gloves and, where exposure limits are exceeded, an organic vapor respirator should be used. Air powered or explosion proof mixing equipment is required. Adequate cross ventilation should be provided and explosion proof fans may be required. All foodstuffs must be removed during application of the system. **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, Do Not apply material.**

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