



## Pocono Fabricators

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# **GUIDE SPECIFICATION – PRE-KRETE REPAIR** **EM-CRYL 600 ACRYLIC ADDITIVE BONDING LIQUID METHODS**

**NOTE:** Em-Cryl 600 Acrylic Additive should not be used in areas where temperature will exceed 200°F.

**METHOD "A"** -- Repairs Using Em-Cryl 600 Acrylic Additive as a Bonding Liquid Only.

1. The area to be repaired should be wire brushed vigorously to remove all loose and spalled material revealing a good hard clean surface. Pre-Krete will not bond to paint, oil, curing compounds or other contaminants.
2. The Em-Cryl 600 Acrylic Additive should be brushed or sprayed so the area to be repaired is completely covered. It is good practice to extend the Em-Cryl 600 Acrylic Additive from 1 to 2 inches beyond the repair area. Coverage will be approximately 150 to 200 sq. ft. per gallon.
3. When the Em-Cryl 600 Acrylic Additive becomes tacky to the touch, trowel the Pre-Krete in place.
4. After Pre-Krete has taken its primary set, the Pre-Krete is cured as directed below.

**METHOD "B"** -- Repairs Where Em-Cryl 600 Acrylic Additive Is Used as a Bonding Liquid **And** Admixture.

1. Follow steps #1 and #2 from above repair Method "A".
2. Pre-mix Em-Cryl 600 Acrylic Additive with cool clean potable water at a mixing ratio of 1 part Em-Cryl 600 Acrylic Additive to 4 parts water in a separate container. The Em-Cryl 600 Acrylic Additive and water should be thoroughly mixed together prior to mixing with Pre-Krete. Use this mixture as your liquid when mixing the Pre-Krete. The amount of total liquid required depends on weather conditions. On a hot day more water would be required than on a damp humid day.
3. The consistency of the mix should be such that if you put a quantity of Pre-Krete (about the size of a golf ball) on your fingers, press it down lightly, then turn your hand over -- the Pre-Krete should stay adhered to your fingers.
4. When the Em-Cryl 600 Acrylic Additive in the repair area is tacky to the touch, trowel the Pre-Krete/Em-Cryl 600 Acrylic Additive mixture into place.

**NOTE:** When using Em-Cryl 600 Acrylic Additive for crack repair only a minimum amount of material should be removed from the area. It is not necessary to gouge out cracks any more than 1/4" wide. In most cases vigorous wire brushing of the crack is all that is necessary, only allowing a minimum of good material to be removed.

**PRE-KRETE MAY BE CURED BY ONE OF THE FOLLOWING METHODS:**

1. MOISTURE CURE

Pre-Krete Systems can be moisture cured by creating a moist environment within the lined equipment. This is done by securely covering **ALL** manholes and nozzles with plastic and tape. It is imperative that **ALL** openings be tightly sealed. In large equipment, a punctured garden hose producing a fine mist or a simple garden sprinkler of the oscillating type can be placed in the upper elevations of the equipment. This will also create the moist environment required. In extreme conditions of very low humidity (less than 40%) and high temperatures (skin temperature above 90°F) humidifiers may be required to prevent water loss during application.

2. IMMERSION CURE

After all Pre-Krete is applied, let it set untouched for 4 to 8 hours until the lining has gotten firm. **SLOWLY** fill the tank with water, making sure you are not "washing out" any of the lining. Allow the lining to set for 12 to 24 hours completely immersed in water. Drain and flush the tank. The tank is now ready to be placed into service.