

**PRODUCT DESCRIPTION**

LCR™ RESIN is a 100% solids, two-component, moisture insensitive epoxy designed to permanently restore structure and design strength to cracked concrete structures. Unique wetting properties allow maximum penetration of LCR into cracks above .005". LCR™ liquid concrete repair injection epoxy can be used on wet or dry surfaces, as well as underwater.

ADVANTAGES

- **Meets ASTM C881, Types I, II, IV & V, Grades 1 & 2, Class B & C**
- **100% Solids**
- **No VOC's**
- **No Solvents**
- **Chemical Resistant**
- **Restores Structural Strength**
- **Excellent Adhesion**
To Concrete, Wood, Fiberglass, & Metal Surfaces

RECOMMENDED USES

LCR RESIN permanently repairs cracks in many concrete surfaces or forms.

- **Basement Foundations**
- **Industrial Warehouses**
- **Residential Flooring**
- **Patio's and Sidewalks**
- **Parking Decks**
- **Reservoirs & Tank Repair**
- **Pool Leak Repair**
- **Parking Decks**
- **Balconies**

SURFACE PREPARATION

Surface must be dry, and free of all contaminants before proceeding. Remove all loose or flaking concrete with a wire brush. Dirt, grease and flaking paint must also be removed prior to application.

APPLICATION INSTRUCTIONS**WEAR GLOVES & EYE PROTECTION**

1. Detailed instructions for mixing the cartridge can be found on or in the packaging that came with the cartridge(s). Follow those instructions then proceed to step 2.
Note: When repairing a wall, crack must be temporarily sealed with LCR Epoxy Repair Paste and injection ports properly mounted. See the technical data sheet for LCR Epoxy repair paste or the instructions that come with the paste for more information on sealing a crack and mounting ports.
2. Once fully mixed, screw the threaded nozzle onto the cartridge and load the cartridge into a standard caulking gun to dispense.

3. When dispensing, make sure to do so with a slow & even pressure. Pay attention to how the resin is flowing into the crack or repair surface making sure it is penetrating the concrete and not overflowing onto the surface.

Note: Mixed resin will begin to harden within 30 minutes and cannot be saved for later. Resin used must be injected within 30 minutes of having been mixed.

4. Once repair has been made and the crack has been fully injected if there is any unused resin left in the cartridge, back off pressure on the caulk gun, remove cartridge, and allow it to solidify before disposing of the cartridge.
5. Clean up any uncured epoxy with Isopropyl alcohol or acetone.

PACKAGING

LCR RESIN comes in **10 fl. oz. single caulk style cartridges** available in low, high, and extra high viscosity formulas.

SHELF LIFE

Factory sealed containers of this product are guaranteed to be of first quality for a minimum of 18 months.

LIMITATIONS

Not for use on contaminated or oily surfaces.

DO NOT install when surface temperature is below 40 °F (4 °C) or above 90 °F (32 °C).

During damp and/or cool conditions LCR LV will cure slower. **DO NOT** put repaired concrete into service until fully cured.

TECHNICAL DATA

All values measured after 7 days at 73 °F (23 °C).

TYPICAL PROPERTIES

| | |
|--|----------------|
| Pot Life: | 30 min. |
| ASTM D-2471 | |
| Working Time: (73°F - 23°C) | 30 min. |
| Thin Film Set Time: (73°F - 23°C) | 2-3 hrs. |
| Full Cure Time: | 24 hrs. |
| Compressive Strength: | 14,480 psi |
| ASTM D-695 | |
| Tensile Strength: | 8,315 psi |
| ASTM D-638 | |
| Elongation at Break: | 8.9% |
| ASTM D-638 | |
| Shrinkage: | 0.001 in./in. |
| Heat Deflection Temp: | 120 °F (49 °C) |
| ASTM C882 | |
| Shore D Hardness: | 75-80D |
| ASTM D2240 | |
| Viscosity: | |
| Low Viscosity Cartridge (LV): | 580 cps. |
| High Viscosity Cartridge (HV): | 1,910 cps. |
| Extra High Viscosity Cartridge (EHV): | 30,000 cps. |