

121LV

EPOXY INJECTION RESIN

PRODUCT DESCRIPTION: 121LV is a two component, 100% solids, moisture-insensitive, epoxy resin compound that is formulated as a low viscosity, high modulus, adhesive and mortar binder. 121LV is used as a rapid setting, pressure-injection resin, and for structural repairs of horizontal concrete.

BENEFITS: SOLVENT FREE...LOW VISCOSITY FOR INCREASED PENETRATION INTO HAIRLINE CRACKS...HIGH COMPRESSIVE, TENSILE, AND FLEXURAL STRENGTHS...EASY 1 TO 1 BY VOLUME PROPORTIONING

COMPOSITION:

| | |
|---------|--------------------------------|
| Part A: | 100% solids liquid epoxy resin |
| Part B: | Liquid amine cure |

| PHYSICAL DATA: | | PROPERTIES @ 25 DEGREES C | |
|-----------------------|--------------------|---------------------------|------------------------------------|
| Color | Part A: Part B: | Clear Amber | Gardner: 5 max. Gardner: 7 max. |
| Mixing ratio (A&B): | | 1:1 by volume | |
| Viscosity (mixed): | | 130-180 cps | |
| Pot life: | | 25 to 35 minutes | |
| Initial cure: | | 30 minutes | |
| Tensile strength: | ASTM D-638 | 8,200 psi | |
| Tensile elongation: | ASTM D-638 | 3% | |
| Flexural strength: | ASTM D-790 | 9,100 psi | |
| Compressive strength: | ASTM D-695 | 10,800 psi | |
| Bond strength: | ASTM C-882 | 2,700 psi | |
| Shear strength: | ASTM D-732 | 5,050 psi | |

TECHNICAL DATA: Formulated to meet ASTM C-881 (AASHTO M 235) specifications for Types 1,2,4,5, Grade 1, Classes A*,B, C- *40 degrees F and rising

SURFACE PREPARATION: Surfaces must be structurally sound, clean, dry and free of dust, dirt, oils, salts, laitance and other contaminates. Remove defective concrete, cavities, cracks, voids and other defects by routing to sound material. Sandblast, shotblast or acid etch surfaces to provide a clean, absorptive substrate. Blow debris out of the cracks and from the surface with a moisture and oil free air jet.

MIXING: Pre-mix 121LV Part A and Part B separately. Combine one part of Part A base to one part of Part B hardener in a clean container and mix thoroughly, using a slow speed motor and paddle mixer. Scrape the sides and bottom of the container during mixing. Do not aerate the mix. Increased material volume and temperature will shorten pot-life.

DIRECTIONS FOR USE: To use 121LV for pressure grouting, 121LV can be injected into cracks down to .002 inches with pressures ranging from 40-300 psi. Depending upon the depth of the slab or wall, drill holes and place injection ports every 6" to 2' along the length of the crack.

To inject vertical cracks, install injection ports at appropriate intervals using Specco 301 Fast Set Epoxy Gel paste to anchor ports and seal the surface of the crack. After the 301 has sufficiently set, pump 121LV starting at the bottom of the crack and working upward.

DIRECTIONS FOR USE (Continued): To inject or fill horizontal cracks, route out cracks and remove dust and debris. Pressure injection method is the same as for vertical cracks. For gravity feed, pump 121LV until cracks are filled. More than one application may be required.

CAUTIONS: Do not apply 121LV in temperatures below 50 degrees F or to frozen, frost-filled or damp surfaces. Keep away from heat, sparks and open flame. Use with adequate ventilation. 121LV contains an alkaline amine. Avoid breathing vapors and prolonged contact with the skin. Wear protection during mixing and handling.

WARNINGS: Avoid contact with skin and eyes. Wear protective clothing and safety glasses during application. Keep away from heat, sparks and open flame. Use with adequate ventilation. Keep away from food and drink. Do not take internally. Specco 121 LV contains an alkaline amine. Refer to product M.S.D.S. (Material Safety Data Sheet) for further health and safety information. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

H.M.I.S. CODES:

Component A: HEALTH = 2, FLAMMABILITY= 1, REACTIVITY = 0, P.PROTECTION = E
Component B: HEALTH = 3, FLAMMABILITY= 1, REACTIVITY = 0, P.PROTECTION = E

SHIPPING NAMES:

Component A: Epoxy Resin / CAS# 025085-99-8 / Not currently regulated by D.O.T.
Component B: Polyamide Curing Agent / CAS# 2855-13-2 / Isophoronediamine / Not regulated

SHIPPING CLASS: ITEM 33880, SUB 2, LTL 65- EPOXY BONDING AGENT

PACKAGING: 10 ounce split single cartridges, 20 ounce dual cartridges

STORAGE: 50 to 90 degrees F

SHELF LIFE: 2 years properly stored

LIMITED WARRANTY: This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product.

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