



EPOXY INJECTION SYSTEM

General Description:

EPOXY INJECTION SYSTEM is two components based on epoxy resins and polyamide hardeners. They are designed for all types of structural cracks with various modifications for special applications, which enable us to solve the widest possible range of concrete cracks.

Advantages and Uses:

- **Epoxy Injection X** is a primarily for the inter hairline cracks of concrete due to its low viscosity it penetrates and seals even the smallest cracks underneath.
- **Epoxy Injection Y** is a medium viscosity injection system intended specifically to seal medium type of cracks.
- **Epoxy Injection Z** serves as a mortar adhesive on the visible upper portion of the cracks to seal and even – up the surface. It is solvent free and hi – build.

Characteristics and Physical Properties:

	X	Y	Z
Color	Clear	Clear	Clear
Volume Solids	49%	83%	100%
Components	2	2	2
Mixing Ratio Preweigh	1 : 1	1 : 1	
Specific Gravity(mix)	0.95	1.0	1.6
Flash Point	25 ⁰ C	30 ⁰ C	50 ⁰ C
Drying Time			
Touch Dry(min)	45 – 60 min.	2 hrs.	374 hrs.
Hard Dry	6 hrs.	8 hrs.	12 hrs.
Recoating Interval	5 – 6	5 – 6	7 day
Fully Cured	7 day	7 day	7 day

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

Mechanical Properties:

Tensile Strength	3800-3900 psi
Compressive Strength	8690 – 8700 psi
Adhesion to concrete in shear tension	2150-1260 psi
Adhesion to concrete in torsion	130-135 psi

Method of Application:

- Remove all loose gravel, laitance, dirt and other foreign matters by high-pressure compressor. Clean the surface by using multi – etch solution and let it dry.
- U – groove all visible umber cracks
- Seal groove with epoxy grout and mortar with nipple heads embedded at a foot distance in – between.
- Inject epoxy injection into nipple heads saturate the areas until the epoxy injection comes out to the next nipple head.
- Grout the injected area making it even to the surface.

Storage:

Keep resins and hardeners in a cool place below 25⁰C. Keep the container tightly closed. Shelf life of 12 months minimum.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or Epoxy Thinner # 135 as soon as possible.

Packing:

Available in 4 lit. Set and 20 lit. Set.

Precautions:

EPOXY INJECTION SYSTEM contains solvents, nevertheless use protective gloves and eye goggles when handling this product. It is recommended to provide proper ventilation on a working area. If contact with skin or splash in eyes, wash with fresh water and seek medical advise.

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