

## TRITON EPOXY INJECTION



### TECHNICAL DATA:

<b>Volume Solids</b>	100%
<b>Mixing Ratio (by volume)</b>	
Component A	2 parts (by volume)
Component B	1 part (by volume)
<b>Pot Life</b>	1-2 hours
<b>Initial Cure</b>	4 hours
<b>Full Cure</b>	24 hours
<b>Compressive Strength</b> (ASTM C109-95/ D695)	Minimum: 8000-10,000 psi @ 4 days Maximum: 10,000-12,000 psi @ 7 days
<b>Tensile Strength</b> (ASTM D638)	3,000-5,000 psi @ 7 days
<b>Flexural Strength</b> (ASTM D790)	6,000-9,000 psi @ 7 days
<b>Resistance to Chemicals</b>	Resistant to most organic solvents, mild acid alkalis and salt
<b>Coverage</b>	Clear- 8-10 m <sup>2</sup> @200-300μ (depends on the porosity of the substrate)
<b>Shelf Life</b>	Minimum of two (2) years under normal condition
<b>Packaging</b>	Available in (3L) Gallon/set

### PRODUCT DESCRIPTION:

A two-component, 100% solid epoxy resin catalyzed with special polyamide curing agent. The unique low viscous compound is primarily designed for all around remedy of structural concrete defects and flaws particularly the repair of cracks ensuring a tough and durable bond but also resistant to chemicals and corrosion. It can be combined with aggregates or silica sand to result in an Epoxy Reinforce Mortar for high strength grouting.

### PRODUCT HIGHLIGHTS:

It can penetrate deep and permanently fill up voids, bridges cracks and seals of joints.

### RECOMMENDED FOR:

For hollow concrete structure on buildings, columns, walls, pavement, beams etc. It can be used as for bonding non-slip aggregates on concrete surfaces.

### RECOMMENDED SUBSTRATE:

Concrete





## APPLICATION:

### Surface Preparation

**A. Pressure Injection** – Blow compressed air along the crack lines to completely clean, dry and remove dirt and other contaminant. Provide temporary seal on crack surface except entry and exit ports. Inject **TRITON EPOXY INJECTION** starting at the lowest entry port up to the proceeding ports until voids are completely filled.

**B. Epoxy Grouting V-Cut System** – V-cut all cracks for repair. Blow compressed air along the crack lines to completely clean, dry and remove dirt and other loose contaminating materials. Apply by brush using **TRITON EPOXY INJECTION** solely to serve as primer sealer then apply **TRITON EPOXY INJECTION** mixed with silica sand or patching compound on v-cut surface.

**C. Epoxy Grouting on Concrete Honeycomb** – Chip off loose concrete. Remove dust, dirt and other loose contaminating materials. Install formworks on honeycomb providing for a small opening on the upper portion.

Pour **TRITON EPOXY INJECTION** mixed with silica sand. Remove formworks upon curing of epoxy grout.

### Mixing

Mix thoroughly 2 parts of Component A and 1 part Component B by volume for 2-3 minutes. Any changes from the recommended proportions will affect its quality. Scrape the bottom, side and corner of the container to ensure complete and full blending. Prepare only enough quantities that can be used with-in the pot-life. Do not delay application.

## PRECAUTIONS:

Wear rubber or plastic gloves to avoid contact with skin. Use soap and water to remove mixture from hands. Do not use strong solvents to remove mixture from skin. This product may cause severe irritation after prolonged or repeated exposure. Keep covers tightly closed.

## CLEAN UP:

Pressure injection tools and other equipment maybe cleaned with **TRITON EPOXY REDUCER** while the mixture has not yet set/hardened. Wash off hands with detergent and warm water.

## INFORMATION:

**TRITON PRODUCTS** are manufactured from the highest quality raw materials using the most advanced methods. Best results from the superior product are attained when these preparation and application instructions are followed carefully.

For more information on this guide or on any Triton coating product please contact us at 8645-6203 or email us at [tsr.tritonpaints@gmail.com](mailto:tsr.tritonpaints@gmail.com) or [roosevelt.chemical.inc@gmail.com](mailto:roosevelt.chemical.inc@gmail.com)

