



## TRITON EPOXY PILE SPLICING



### TECHNICAL DATA:

<b>Volume Solids</b>	100%
<b>Mixing Ratio (by volume)</b>	
Component A	4 parts (by volume)
Component B	1 part (by volume)
W/ aggregates	1.0-1.5 parts silica sand to 1 part of epoxy/hardener admixture by volume
<b>Pot Life</b>	10-15 minutes
<b>Initial Cure</b>	55-60 minutes
<b>Full Cure</b>	24 hours
<b>Compressive Strength</b> (ASTM C109-95/ D695)	5,000-6000 psi 30 minutes curing 10,000-11,000 1-1.5 hours curing 11,000-15,000 psi 4 days curing
<b>Tensile Strength</b> (ASTM D638)	1,500-2,500 psi @ 7 days
<b>Flexural Strength</b> (ASTM D790)	5,000-7,000 psi @ 7 days
<b>Shear Strength</b>	1,500 psi
<b>Hardness (shored)</b>	85
<b>Resistance to Chemicals</b>	Highly resistance to most acids, alkalis, salts, alcohol & solvents.
<b>Shelf Life</b>	Minimum of one (1) years under normal condition
<b>Packaging</b>	Available in (5L) Gallon/set

### PRODUCT DESCRIPTION:

A two-component fast setting 100% solid epoxy formulation with a high chemical and physical strength, designed primarily for bonding concrete piles. The cured resin provides a high compressive and flexural strength to the joint when used with fine aggregates as fillers.

### PRODUCT HIGHLIGHTS:

Fast curing epoxy bonding and can cure under dry to damp conditions.

### RECOMMENDED FOR:

For building foundations, columns, beams, anchor bolts etc.

### RECOMMENDED SUBSTRATE:

Concrete





## APPLICATION:

### Surface Preparation

Surfaces to be bonded must be dry and free from oil, dirt, grease, rust and other contaminants. Spoiled concrete or loose particles must be completely removed. The use of compressed air is highly recommended for cleaning the dowel holes in order to obtain a clean and structural sound surface.

### Mixing and Application Method

Pre-measure enough quantities of resin base, hardeners and filler to be used. Sand should always be clean, dry, and bagged. Mix thoroughly resin base with aggregates then add the hardeners.

Pour the admixture on the top surface of the lower pile and allow to flow into the dowel holes, to avoid air entrapment. Lower the upper pile and check correct dimension and adhesion between the piles. Allow the epoxy mortar to cure.

## 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.

## 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)

