

Hi-Tek Polymers, Inc. Elgin, Illinois

Hi-Tek Polymers 100T-POXY Epoxy CRACK/Joint FILLER

Description: Hi-Tek Polymers 100T-POXY Epoxy CRACK/Joint FILLER is a 100% solids two part "hard rubber-like" epoxy formulation designed for filling holes, cracks, expansion joints, construction joints, etc. in concrete floors.

The semi-rigid cured property of 100T-Poxy Epoxy Crack/Joint Filler will support the concrete edges of joints better than soft flexible type joint compounds. 100T-Poxy Epoxy Crack/Joint Filler has sufficient resilience to allow expansion of concrete floors when installed as recommended. It retains resilience at temperatures as low as 10Â°F. The mixture is easily poured into cracks and joints or injected by caulking gun equipment. The 100T-Poxy Crack/Joint Filler cures tack-free overnight for light traffic, 1 to 2 days for heavy duty use.

Application: Proper applications include on - Shrinkage Cracks and Stress Cracks, Holes and Construction Joints, Isolation Joints and Expansion Joints

Advantages: The benefits of 100T-Poxy Epoxy Crack/Joint Filler include:
1. Easy to Use Mix Ratio,
2. Easy to Pour or Inject
3. Ample Working Time
4. No Shrinkage
5. Semi-rigid to Protect Edges

TECH Data:

REQUIREMENTS FOR FILLING JOINTS: Each application is unique and proper surface evaluation & preparation should be made for best result.

1. Medium to heavy traffic area, such as Fork Lift Traffic Areas: The following procedure must be used to obtain good results: A) Fill the joint slot with dry bagged sand to within 2" from the top of the floor. Do not tamp the sand. B) Fill the remaining 2" with 100T-Poxy Epoxy Crack/Joint Filler.
2. For light traffic areas such as Pedestrian Traffic Areas Insert polyethylene backer rods into joint slots to within 1" from the top of the floor. Then fill the remaining 1" with T-Poxy Filler.

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CONDITIONS FOR PROPER INSTALLATION: 1. ambient temperature should be above 50°F during installation and while curing. 2. Concrete floor and joint slots should be dry. 3. Concrete slabs should be allowed to cure 30 days before installing **100T-Poxy/ Crack/ Joint Filler**. This waiting period is necessary due to the unpredictable shrinking characteristics of concrete while curing. 4. Joint slots must be cleaned free of all debris. Dust must be removed with an air hose or high powered vacuum. 5. SAW CUT JOINTS can be filled with a 3/16" layer of dry sand to stop **100T-Poxy Crack/Joint Filler** from seeping into shrinkage cracks that may have formed at the bottom while concrete was curing. 6. CONSTRUCTION JOINTS and KEYED JOINTS can be filled with dry bagged sand to within 2" from top of the floor. This will prevent seepage into cracks and voids. Do not tamp the sand.

MATERIAL STORAGE: For best results store **100T-Poxy Crack/Joint Filler** at room temperature of 70°F. Higher temperatures reduce the "working time" dramatically. Lower temperatures extend the "working time" and curing period.

Unusual Applications: Certain conditions may require some modifications due to particular limitations such as:

A. COLD FLOOR Conditions: The joints can be warmed with propane torches or weed burner type torch. Do not heat too rapidly or excessively.

9. Filler seeping into joint: **100T-Poxy Crack/Joint Filler** may continue to seep into cracks at the bottom of joints despite placing sand at bottom of joint because of steep sloping floors, steel wheel traffic and very heavy loads on wider than usual joints. Add dry bagged fine size sand after mixing the hardener and resin. This will increase the viscosity to stop seepage and flow on sloped floors. It will also increase the rigidity of the cured filler to provide more support for heavy loads and steel wheels. A trial batch should be tried by adding 50% sand. This mixture remains pourable, still easy to inject and it will probably solve the above mentioned problems.

CAUTIONS: 1. **100T-Poxy Crack/Joint Filler** should not be used at temperatures below 50°F, very slow curing will occur. 2. **100T-Poxy Crack/Joint Filler** contains modified cycloaliphatic amines and modified epoxy resins that can irritate skin. Use of rubber gloves, eye shield and good ventilation is recommended when using this product. If skin contact occurs, wash with soap and water. If splashed in eye, open lids wide and flush with clear water for 15 minutes. Call physician for advice. KEEP OUT OF CHILDREN'S REACH. Read Material Safety Data Sheet for additional information.

*/Before using any Hi-Tek Polymers Inc., products , be sure the Material Safety Data Sheet is read and understood.**100T-Poxy Epoxy Crack/Joint** available in 1-1/2, 3 and 15 gallon units.

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