

## PRODUCT BULLETIN

### Hi-Tek Polymers T-Poxy 2010 Epoxy One Step

**DESCRIPTION:** Hi-Tek Polymers T poxy 2010 2010 ONE STEP is a high solids two component all purpose concrete coating. PART A is pigmented and PART B is white. Excellent for application on a high performance surface.

**USES:** May be used as a primer for other epoxy or urethane wear surfaces, or as a one product floor sealer system. Good adhesion is achieved over aged epoxy and enamel films, steel, galvanized metal, wood, plaster, glass, and latex paint. Hi-Tek Polymers T Poxy 2010 Epoxy One Step may be used as a primary bond coat over old surfaces where moisture or humidity are factors, or over moist concrete. It has a Tack free time of 6-8 hours and will vary depending on temperature and humidity. Do not apply when temperatures are below 60F since long cure times will result.

**APPLICATION:** Keep product indoors and do not allow to freeze. Proper surface preparation is essential. Steel should be sandblasted to a white metal finish, and concrete should be thoroughly cleaned and dried (brush blasting is recommended for walls acid etching for floors). Stir both parts thoroughly, mix accurately per mix directions and let induct 30 minutes. Apply with brush, roller or spray at a rate of 250-350 sqft./gal (for each coat) depending on the mil thickness desired. Recoat time at 70F is 8-9 hours and recoating should be completed within 24 hours. Full hardness develops after 7 days.

**Surface Preparation:** Applications of non-breathing surface over concrete is vulnerable to high moisture vapor emissions (MVE). This is typically measured with an Anhydrous Calcium Chloride test kit meeting ASTM F-1869 where results are reported in pounds of water per 1,000 square feet per 24 hours. The Rubber Flooring Manufacturers Association (RFMA) has established a “safe” limit of 3 pounds or less. The most current test to evaluate concrete is ASTM F-2170. Results greater than 80% relative humidity in the concrete requires special treatment. **Primer is required.**

### SPECIFICATIONS:

Pot Life -	8 Hrs	Solids - clear	50%
Dry To Recoat	8-9 Hrs	Solids- pigmented	70%
As Top Sealer-	70F	Hardness -	2-3H
Limited Use -	24 Hrs	-Film Color -	Gardner 1-2
Full Use -	48 Hrs	Gloss -	Excellent
Min Application Temperature -	50F	Chemical Resistance -	Good
Tabor abrasion	91 mglost		
Adhesion	930psi (concrete broke)		
Voc/liter clear	331 gm/liter		

NOTE: TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER Hi-Tek Polymers Inc., ASSUMES NO LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. THE FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSE OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTY THAT THESE ARE THE ONLY HAZARDS WHICH EXIST.

**HI-TEK POLYMERS, INC**, P.O. Box 5505, Elgin, IL 60121, Fax-847-574-8305,  
[products@hitekpolymers.com](mailto:products@hitekpolymers.com)