

## Product Bulletin

### Hi-Tek Polymers 301T-Poxy Epoxy Primer

**Description:** Hi-Tek Polymers 301T-Poxy Epoxy Primer is a 100% solids, two component structural epoxy specifically formulated as a primer to bond to concrete surfaces. It is designed especially for penetrating and sealing concrete floors. It cures to form a tough, smooth surface. Hi-Tek Polymers 301T-Poxy Epoxy Primer offers a moderate resistance to abrasion, oil, grease and gasoline. A one coat application will stop "dusting" in most areas. A second coat adds durability and uniformity in appearance and a non-gloss finish for easy maintenance. Hi-Tek Polymers 301T-Poxy Epoxy Primer is recommended as a primer for other Hi-Tek Polymers, Inc coatings and self-leveling systems. Hi-Tek Polymers 301T-Poxy Epoxy Primer is available in gallon cans, five gallon pails, and 50 gallon drums. Basic color is clear however additional colors are available upon request.

**APPLICATION:** Hi-Tek Polymers 301T-Poxy Epoxy Primer can be applied on most any type of properly prepared concrete or masonry surface. Apply when air and surface temperatures are above 50°F. 2. Blend 2 parts A (Resin) to 1 part B (Hardener) by volume. Mix with low speed drill until uniform in color. For optimum application properties, maintain Hi-Tek Polymers 301T-Poxy Epoxy Primer at room temperature prior to mixing. Concrete floors can be sealed by applying one coat. Apply with roller at approximately 250 sq. ft. per gallon. Use a medium nap roller cover. Apply liberally but avoid puddles. Second coat can be applied as soon as first coat has cured tacky-to-touch or up to 4 hours after finishing first coat application. Excellent applications include in warehouses and Storage Areas and in open areas where elimination of dust is essential. Surface should be prepared by using conventional cleaning methods such as shot blasting, acid etching, disc grinding, sandblasting or power washing.

**SURFACE PREPARATION:** Surface shall be dry and perfectly clean, free of all oil, grease, detergent film, sealers and/or curing compounds in accordance with Hi-Tek Polymers Inc requirements. It should be applied when air and surface temperature are above 50°F. For proper flow and wetting, maintain Hi-Tek Polymers 301T-Poxy Epoxy Primer at room temperature prior to mixing. Concrete floors can be sealed by applying only one coat. The hardener (A) and resin (B) should be thoroughly mixed before combining. Scrape bottom and sides of each container. Stir thoroughly for 2 to 3 minutes. Pot life is 12 to 18 hours. Once mixed, the resin and hardener can be combined by hand using appropriate paint stirrer or with a slow speed electric drill. Thorough blending is necessary for proper system cure. Apply with a medium nap roller @ 250 square feet per gallon.

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**Advantages:** Hi-Tek Polymers 301T-Poxy Epoxy Primer

1. Provides an easy mix ratio of 2:1
2. Meets ASTM C 881, Type I, II, IV & V Grade 1, Class B & C
3. Provides an easy to apply system of roller Application
4. Provides an excellent adhesion to a clean surface
5. Provides chemical resistance & wear resistance
6. DOT approved
7. No Shrinkage & V.O.C. compliant

**TECHNICAL DATA:**

Performance Properties		
Test	Test Method	Results
Compressive Strength	ASTM D-695	11,480 psi (min)
Tensile Strength	ASTM D-638	8,315 psi (min)
Tensile Elongation	D-638	8.9% minimum
Flexural Strength	ASTM C-580	4,500 psi (min)

Slant Shear Strength ASTM C-882
2 days 1200
Slant Shear Strength ASTM C-882
14 days 1520
Linear Coefficient of Shrinkage
<0.001
Water Absorption, 24 hours
0.1989%
Shore D Hardness ASTM D-2240
90-85
Pot Life @ 75° F (1/2 gallon)
35 minutes
Cure Time @ 75° F
24 hours
Viscosity @ 75° F (mixed)
150 cps
Color
Light Amber

**CLEANUP:** Clean all equipment immediately after use with thinner. Hi-Tek Polymers 301T-Poxy Epoxy Primer is harmful or fatal if swallowed. Keep away from heat, sparks and open flame. Provide adequate ventilation. Never cut empty cans with a torch. Hi-Tek Polymers 301T-Poxy Epoxy Primer contains epoxy resins that may irritate sensitive skin. Wear gloves and eye shields. If contact occurs, wash with soap and water. If splashed in eyes, flush with copious amount of water for 15 minutes then call a physician for advice. KEEP OUT OF REACH OF CHILDREN. Before using any Hi-Tek Polymers Inc. product, be sure the Material Safety Data Sheet is read and understood.

**Caution:** Hi-Tek Polymers 301T-Poxy Epoxy Primer contains epoxy resins which may irritate sensitive skin. Avoid prolonged skin contact. If contact occurs, wash with soap and water. Wear gloves and eye shields. Before using any Hi-Tek Polymers Inc, products, be sure the Material Safety Data Sheet is read and understood.

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