



## UI-7050

### TWO-COMPONENT, 100% SOLIDS, EPOXY PRIMER/SEALER

#### 1. PRODUCT DESCRIPTION

**COMPOSITION:** UI-7050 is a two-component, 100% solids, solvent-free liquid applied, epoxy-polyamine primer. The special polyamine gives unique penetrating characteristics and a rapid cure. It has low viscosity and excellent adhesion to various substrates.

#### 2. TYPICAL USES

UI-7050 is an epoxy polyamine primer used in certain of the UPI Deck Coating Systems and other specialty systems. It is specifically formulated to improve polyurethane elastomeric membrane adhesion to concrete and plywood and to properly treated metal. Because it has low odor, UI-7050 is excellent for indoor applications.

#### 3. DRY TIMES, PACKAGING & STORAGE

**PACKAGING:** The UI-7050 primer is packaged in kit form. The VOLUME MIXING ratio is 2 parts Side-A to 1 part Side-B (Side-A / Side-B = 2:1). Available in kits of three quarts, three gallons or three 5 gallon pails.

**SHELF LIFE:** Twelve (12) months after manufacture when continuously stored indoors in the original unopened containers.

**COLOR:** Side-A: Clear      Side-B: Light Yellow

#### 4. INSTALLATION

**SURFACE REQUIREMENTS:** Successful bonding requires structurally sound and clean substrates. The substrate must be cleaned to ensure that it is free of all oils, "laitances", greases and other contaminations, such as concrete curing compounds, that may cause poor adhesion of UI-7050. After cleaning, the surfaces should be rinsed thoroughly to remove loose particles and dust created during shot-blasting or grinding and traces of the cleaning chemicals. Primers, adhesives, detailing, membranes, etc. should not be applied until the surface is dry.

**MIXING INSTRUCTIONS:** This primer may be diluted with small amounts of Xylene or Toluene, to the extent allowed by the local Air Quality Management authority. Addition of solvent extends the work life of the mixture and provides better surface penetration. However, strict fire fighting precautions (equipment, procedures, etc.) and health precautions must be observed. UI-7050 Side-A and Side-B should be thoroughly agitated prior to mixing to ensure a homogeneous material. UI-7050 must always be mixed in the ratio of two parts Side-A with one part Side-B (Side-A: Side-B = 2:1). The combined components should be thoroughly mixed for at least 2 minutes. Induction time is not required.

**APPLICATION:** UI-7050 should be applied at the rate of 1 gallon/400 square feet. It can be applied using a brush or phenolic core roller.

**CURING:** Allow UI-7050 to become tacky to the touch (usually a typical dry time of 3 hours minimum at 77°F) before filling cracks, joints, or applying the coating. **Note:** Temperature will affect the curing time of UI-7050. Higher temperatures will significantly accelerate the cure time while colder temperatures will significantly retard the cure time. To improve cure/bond time in cooler temperatures, UI-7050 may be pre-mixed and allowed to sit in the container for 10 to 15 minutes (the cooler the temperature, the longer the residence times) before application. In hot temperatures, the pot life of UI-7050 is reduced therefore the residence time in the container after mixing should be kept very short. Recommended application temperature is greater than 10°C (50°F).

**EQUIPMENT CLEANUP:** Equipment should be cleaned immediately after use with an environmentally-safe solvent, as permitted under local regulations. The primer is difficult to remove after it has cured.

#### 5. TECHNICAL SERVICE

Technical Assistance is available by contacting:

**URETHANE POLYMERS INTERNATIONAL, INC.**  
10880 Poplar Avenue  
Fontana, California 92337  
Phone: (909) 357-7200  
Fax: (909) 357-7215  
Email: info@urethanepolymers.com

#### 6. TECHNICAL DATA

PHYSICAL PROPERTY	TYPICAL VALUE	TEST METHOD
Coverage Rate	300-400 ft <sup>2</sup> / gal	
Dry Film Thickness per Coat	4 ± 1 mills	
Hardness	70 ± 5 Shore D	
Shelf Life	12 months	
Specific Gravity	Side A	1.09
	Side B	1.02
Total Solids by Weight	100%	ASTM D-2369
Total Solids by Volume	100%	ASTM D-2697
Viscosity at 24°C (75°F)	Side A	400 ± 50 cps
	Side B	300 ± 50 cps

#### 7. PRECAUTIONS

This product contains Epoxy Resin and Polyamine Hardeners. Personnel applying these coatings should wear protective clothing, use respiratory protection, safety goggles and gloves. Avoid contact of material with skin or eyes and avoid breathing the polyamine vapors. Mix and apply in well-ventilated areas and observe normal safety precautions required for Epoxy and Amine containing materials. Read the MSDS sheets before using this product. THIS PRODUCT IS FOR PROFESSIONAL USE ONLY.

#### 8. LIMITED WARRANTY

Urethane Polymers International, Inc. (UPI) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any UPI materials prove to contain manufacturing defects that substantially effect their performance, UPI will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by UPI with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. UPI specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of UPI's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the UPI material in question.

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