



UI-7013 SERIES

SINGLE COMPONENT URETHANE WATERPROOFING MEMBRANE

1. PRODUCT

UI-7013 is a single component, liquid applied, high adhesion, moisture cured polyurethane waterproofing coating. It is used as the Base Coat for most of the polyurethane deck and roof coating systems supplied by Urethane Polymers International, Inc. (UPI).

2. FEATURES

Single Component
High Strength, High Elongation, High Adhesion
Excellent Waterproofing Properties
Withstands Extreme Environmental Conditions
Low Odor During Application and Cure

3. BENEFITS

Easy Application, No Mixing in Curing Agent
Resilient to Expansion and Contraction of Substrate
High Adhesion, Stress-Relieving, Crack Bridging Membrane
Provides 100% Contact, Eliminates Migratory Water Problems
Designed for Demanding Exterior Applications

4. PRODUCT DESCRIPTION

BASIC USES: UI-7013 is the standard Base Membrane used in the UPI traffic bearing and roof coating systems. Please refer to the pertinent Application-Specification Data Sheet on each of these systems.

LIMITATIONS: Containers that have been opened must be used within one or two days since the product is a moisture-reactive material that will gel or set up when exposed to moisture in the air. A polyethylene sheet should be used as a blanketing material prior to re-sealing the lid on a partially used container. Prior to the application of UI-7013, proper surface preparation and priming procedures must be followed. Refer to the UPI Technical Bulletin on Surface Preparation of Plywood and Concrete Substrates.

UI-7013 cures faster when applied during warm weather and high humidity conditions and slower during cool temperatures and low humidity conditions. The rate of cure may be accelerated by incorporating UI-9801 or UI-9599 Accelerators.

SHELF LIFE: Nine (9) months after manufacture when continuously stored in unopened metal pails at temperatures less than 80°F. Stir thoroughly prior to use.

STANDARD COLOR: Light Gray

5. INSTALLATION

SURFACE PREPARATION: All substrates must be free of all contaminants and should be primed with UPI water-based or UPI solvent-based epoxy primers prior to the application of UI-7013. Apply primers at a rate of 200-350 square feet per gallon depending upon substrate porosity or surface profile.

APPLICATION: UI-7013 is normally applied at a rate of 40 to 50 square feet per gallon, per coat, resulting in a 32 to 40 mil wet film thickness. When applying onto sloped or pitched surfaces, two or

more coats of the standard UI-7013 Base Coat may be required for this coverage. Allow a minimum of 16 to 24 hours cure time between coats. UI-7013 is easily applied by squeegee, roller or notched trowel. Always follow by back rolling. Application should not commence unless the ambient temperature is 40°F or higher, and should not proceed during inclement weather. UI-7013 is usually used in conjunction with UI-7014 Series or UI-7016-AR Series intermediate coats and UI-7015 and UI-7016-AL aliphatic top coats. UI-9801 or UI-9599 Accelerators may be added to UI-7013 to compensate for slower cure time in cold weather or for a shortened cure time for rehabilitation or repair projects. Please refer to the Accelerator Technical Bulletins or contact UPI for details.

6. AVAILABILITY

UI-7013 is supplied through select Construction Supply Distributors or ordered directly through your local Sales Representative in areas where no Distributorship is available. For the name of your nearest UPI Representative, please contact our office.

7. PRECAUTIONS

Before using this product, read the container precaution label and MSDS sheets carefully. Exposure to urethanes or petroleum solvents may cause allergic skin or respiratory reactions. Do not get into eyes, onto skin or clothing. If contact occurs, flush affected areas with soap and water. Wash clothing before reuse. Use only with adequate ventilation. Seek medical help for all over exposures. **THIS PRODUCT IS FOR PROFESSIONAL USE ONLY.**

8. TECHNICAL ASSISTANCE

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

9. 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 affect 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.

10. TECHNICAL DATA

**UI-7013 URETHANE BASE MEMBRANE
(TYPICAL VALUES)**

<i>PROPERTY</i>	<i>TYPE UI-7013-SC (100 VOC)</i>	<i>TYPE UI-7013 (180 VOC)</i>	<i>TEST METHOD</i>
Solids Content (By Weight)	90 ± 2%	86 ± 2%	ASTM D-1353
VOC Content	100 grams/liter	155 grams/liter	CALCULATED
Weight per gallon	10.9 +/- 0.2 lbs.	10.4 +/- 0.2 lbs.	ASTM D-1475
Viscosity @ 77°F	50-80 poise	50-80 poise	Brookfield
Flash Point	Above 120°F	Above 120°F	ASTM D-93
Cure Time @ 77°F, 50% R.H. @ 32mils	24 hours	24 hours	-----
Tensile Strength	900 ± 100 psi	900 ± 100 psi	ASTM D-412
Ultimate Elongation	500 ± 100%	500 ± 100%	ASTM D-412
Hardness, Shore A	65 ± 5	65 ± 5	ASTM D-2240
Tear Resistance	150 ± 25 lb./in.	150 ± 25 lb./in.	ASTM D-1004
Adhesive Bond Strength on Primed Concrete	195 psi Cohesive Failure	195 psi Cohesive Failure	ASTMD-4541

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