



UI-7014 SERIES

HIGH STRENGTH, URETHANE ELASTOMERIC MEMBRANE

1. PRODUCT

UI-7014 is a tough, high tensile strength, single component, moisture cured, medium hardness polyurethane coating. It is used as the Intermediate Waterproofing Layer or Aggregate Binding Membrane in many of the polyurethane deck and roof coating systems supplied by Urethane Polymers International, Inc. (UPI).

2. FEATURES

Single Component Application, Vulcanized by Moisture
High Strength, High Elongation, High Adhesion
Excellent Aggregate Binding Qualities
Excellent Waterproofing Properties
Withstands Extreme Environmental Conditions

3. BENEFITS

Easy Application and Rapid Cure
Resilient to Expansion and Contraction of Substrate
Eliminates Migratory Water Problems Due to 100% Contact with the Substrate
Designed for Demanding Exterior Applications

4. PRODUCT DESCRIPTION

BASIC USES: UI-7014 is the standard Elastomeric Membrane (and in special situations the 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-7014, proper surface preparation procedures must be followed. Refer to the UPI Technical Bulletin on Surface Preparation of Plywood and Concrete Substrates.

UI-7118 or UI-7119 high performance epoxy primer/sealers should be used as necessary and as outlined in various UPI Technical Bulletins.

UI-7014 cures faster when applied under warm temperature and high humidity conditions and slower in a cool and low humidity environment.

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

AVAILABILITY: UI-7014 is available in both 100 VOC and 250 VOC variations.

5. INSTALLATION

SURFACE PREPARATION: All substrates must be free of all contaminants and should be primed with UI-7012 or UI-7119 prior to the application of UI-7013 Base Coat or UI-7014 Elastomeric Membrane. Apply primers at a rate of 250 – 350 square feet per gallon.

APPLICATION: UI-7014 is normally applied at a rate of 80 to 100 square feet per gallon, per coat, resulting in a 16 to 20 mil wet film thickness. If more than one coat is required, allow a minimum of 16 hours and a maximum of 72 hours cure time between coats. UI-7014 is easily applied by roller, notched squeegee 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-7014 is usually used in conjunction with UI-7013 or UIM-6430 Base Coats and UI-7016-AL Aliphatic Topcoats, as described in the various UPI Application-Specification Data Sheets.

UI-9599 or UI-9801 Accelerators may be added to UI-7014 to allow for a shorter cure time or curing in cold or dry weather conditions. Please refer to the Technical Bulletins on Accelerators.

6. AVAILABILITY

UI-7014 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 precautionary label and MSDS sheet 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-7014 SERIES ELASTOMERIC MEMBRANE
(TYPICAL VALUES)**

<i>PROPERTY</i>	<i>UI-7014-SC (100 VOC)</i>	<i>UI-7014-HT (250 VOC)</i>	<i>TEST METHOD</i>
Solids Content (By Weight)	92 +/- 2%	82 +/- 2%	ASTM D-1353
VOC Content	100 grams/liter	250 grams liter	Calculated
Weight Per Gallon	10.6 ± 0.2 lbs.	10.2 ± 0.2 lbs	ASTM D-1475
Viscosity @ 77°F	40-50 poise	35-45 poise	Brookfield
Cure Time @77°F, 50% R.H. @ 16 mils	24 hours	24 hours	-----
Flash Point	Above 120°F	Above 120°F	ASTM D-93
Tensile Strength	1500 ± 150 psi	2250 ± 250 psi	ASTM D-412
Ultimate Elongation	400 ± 50%	400 ± 50%	ASTM D-412
Hardness, Shore A	75 ± 5	80 ± 5	ASTM D-2240
Adhesion to Base Coat	25 pli	25 pli	-----
Water Vapor Permeability	1.5 perms	1.5 perms	ASTM E-96
Tear Strength	225 ± 50 lb./in.	250 ± 50 lb./in.	ASTM D-1004
Service Temperature Range	-30 to + 180°F	-30 to + 180°F	-----

UI-7014 Series (14)