



UI-7012

TWO-COMPONENT, WATERBORNE EPOXY PRIMER/SEALER

1. PRODUCT

UI-7012 is a two-component, liquid applied, water-borne epoxy primer/sealer for various substrates. It is one of the primer/sealers used in the deck coating systems supplied by Urethane Polymers International, Inc. (UPI).

2. PRODUCT DESCRIPTION

COMPOSITION: A two-component, low odor, liquid-applied epoxy primer/sealer designed for easy mixing with a simple 1 to 1 volume ratio. The primer/sealer may be applied after thoroughly mixing the two components together and allowing a 30 minute induction period.

BASIC USES: UI-7012 is one of the primer/sealers used in the following UPI coating systems: Uradek System #55 Series, Uradek System #65 Series, Uradek System #70 Series.

UI-7012 is also used as a primer/sealer for various substrates including surface treated metal, wood, plywood, and concrete. It is insensitive to humid application conditions and will cure and adhere well in tropical conditions. Tests have shown that the use of UI-7012 as a barrier coat significantly reduces the incidence of pin-holing and surface imperfections in polyurethane waterproofing membrane installations as compared to similar applications on an untreated substrate. UI-7012 enhances the long term adhesion of the waterproofing membrane to the substrate.

LIMITATIONS: Surfaces to be coated should be surface dry, clean, and free of foreign material. The UI-7012 coating must be allowed to cure for a minimum of 2 to 4 hours at 75°F if substrate coated is in the shade or indoors and 1 to 2 hours if exposed to direct sunlight. The base coat must be applied over the UI-7012 primer within 16 hours; 8 hours if substrate temperature is 85°F or above. UI-7012 cures faster when applied under warm temperatures and low humidity conditions and slower when applied during cool weather and high humidity conditions.

SHELF LIFE: Twelve (12) months after manufacture when continuously stored indoors in the original unopened container at temperatures under 80°F and above 35°F.

3. INSTALLATION

SURFACE PREPARATION: All surfaces to be coated with UI-7012 must be free of all contamination including curing compounds, oil, grease, paint, and dirt. All joints should be caulked with a polyurethane elastomeric sealant. Concrete surfaces should be free of roughness which will show through and be noticeable in the completed application. Concrete should be cleaned by shot blasting, hydro-blasting or acid etching plus pressure-washing and allowed to dry for at least 24 hours.

APPLICATION: UI-7012 Part A and Part B must be mixed thoroughly and in the proper ratios to assure proper curing. The mixed viscosity is suitable for roller coating, brushing, or spraying. UI-7012 is white in color when first applied, but dries to a clear finish. UI-7012 should be applied at a rate of 250 to 350 square feet per gallon. Cure time will vary with temperature and humidity and if exposed to direct sunlight; the higher the temperature and greater exposure to sunlight the faster the cure. A minimum cure of 3 to 4 hours at 75°F in shady areas is recommended or two hours if exposed to direct sunlight at temperatures below 75°F. The top coat must be applied over the cured UI-7012 primer within 16 to 24 hours for proper adhesion.

4. 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

5. TECHNICAL DATA

PROPERTY	TYPICAL VALUE	ASTM TEST METHOD
Solids Content (Mixed)	26 ± 2%	D-1353
Weight Per Gallon (Mixed)	8.3 lbs.	D-1475
Viscosity @ 77°F (Mixed Material)	150 cps	D-2393
VOC Content	150 gm/l	Calculated
Flash Point (Mixed)	Above 200°F	D-1310-82
Mix Ratio By Volume	1 to 1	----
Pot Life (1 quart) @ 77°F	24 hours	D-2471
Cure time @ 77°F, 50% R.H.		
Firm to Touch	2 to 4 hours	----
Tack Free	1 - 2 hours	----
Coverage, Sq. Ft., Per Gal.	250 - 350	----
Cured Film Flexibility	Passes 1/8 inch	Mandrel Bend
Cured Film Impact	Passes 60 in. lbs	Reverse Impact

6. PRECAUTIONS

Personnel should wear protective clothing and gloves, avoid contact of material with skin or eyes, and avoid breathing vapors. Mix and apply in well-ventilated areas and observe normal safety precautions. THIS PRODUCT IS FOR PROFESSIONAL USE ONLY.

7. 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

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