



UI-7112

TWO-COMPONENT, QUICK DRY, EPOXY PRIMER/SEALER

1. PRODUCT

UI-7112 is a two-component, solvent borne epoxy primer/sealer. It is a quick-dry primer/sealer for use with urethane deck coating and waterproofing membrane systems where solvent based primers are allowed by local VOC or air quality management regulations.

2. PRODUCT DESCRIPTION

COMPOSITION: A two-component, quick drying, low viscosity epoxy primer/sealer designed for easy mixing with a simple 1 to 1 by volume ratio. The UI-7112 primer/sealer may be applied after thoroughly mixing the two components together and after allowing a 30 minute induction time.

3. TYPICAL USES

UI-7112 is also used as a primer/sealer for porous substrates such as wood, plywood and concrete and for surface treated metal. It is insensitive to humid application conditions and will cure and adhere well when used in tropical environments. Tests have shown that the use of UI-7112 as a primer/sealer coat significantly reduces the incidence of pinholing and surface imperfections in polyurethane waterproofing installations as compared to similar applications on an untreated substrate. UI-7112 enhances the long-term adhesion of the polyurethane membrane to the substrate.

4. DRY TIMES, PACKAGING & STORAGE

The UI-7112 quick dry primer must be allowed to cure for a minimum of 1-2 hours at 77°F if substrate is coated in the shade and a minimum of 3/4 hour if exposed to direct sunlight. The subsequent coating going over the primer must be applied the same day. If this cannot be accomplished or if the primer receives rain or dew, clean and then reprime with a light coat of UI-7112.

PACKAGING: Available for sale in gallons or pails where not restricted by local VOC regulations.

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

5. INSTALLATION

SURFACE PREPARATION: All surfaces to be coated with UI-7112 must be free of all contamination including visible water, curing compounds, oils, grease, paint, and dirt. Concrete surfaces should be free of roughness which will show through and be noticeable in the completed application. Concrete can be cleaned by shot blasting, hydroblasting or acid etching (followed by neutralizing and thorough rinsing) and allowed to completely dry.

APPLICATION: UI-7112 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-7112 should be applied at a rate of 250-350 square feet per gallon depending upon the profile, texture and porosity of the surface being primed. Cure time will vary with temperature and weather and if exposed to direct sunlight; the higher the temperature and greater the exposure to sunlight the faster the cure. A minimum cure of 1-2 hours at daytime temperatures in shady areas is recommended or ½ - 1 hour if exposed to direct sunlight. The coating must be applied over the cured primer the same day for proper adhesion.

6. 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

7. TECHNICAL DATA

PROPERTY	TYPICAL VALUE	TEST METHOD
Solids Content (Mixed)	25 ± 2%	ASTM D-1353
Weight per Gallon		ASTM D-1475
Part A (Resin)	7.8 lbs.	
Part B (Hardener)	7.2 lbs.	
Viscosity, Mixed Material	100 cps	ASTM D- 562
VOC Content	650 gm/l	Calculated
Flash Point (mixed)	55° F	ASTM D-56
Mix Ratio, By Volume	1 to 1	----
Pot Life, 1 pint. @ 77°F	24 hours	ASTM D-2471
Cure Time @ 77°F		
Firm to Touch	1-2 hours	----
Tack Free	½ hour	----
Coverage, Per Gal.	250-350 sq.ft.	----
Cured Film Flexibility	Passes 1/8 inch	Mandrel Bend
Cured Film Impact	Passes 60 in. lbs.	Reverse Impact

8. PRECAUTIONS

This product contains flammable solvents. Keep these materials away from heat, sparks and flames. 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 solvent vapors. Mix and apply in well-ventilated areas and observe normal safety precautions required for solvent containing materials. Read the MSDS sheets before using this product. THIS PRODUCT IS FOR PROFESSIONAL USE ONLY.

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 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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