



## UI-9801 ACCELERATOR

### 1. PRODUCT

UI-9801 is a liquid additive for the single component, liquid applied, moisture-cured polyurethane coatings manufactured by Urethane Polymers International, Inc. (UPI). This unique material, when added to UPI moisture-cured urethanes, offers several benefits: (1) Will provide a rapid cure with a slight upgrading of physical properties (2) In addition, UI-9801 promotes uniform, tough cures at low temperatures down to 35°F and (3) Prevents excessive out gassing and surface bubbling at normal temperatures in high humidity conditions. The use of UI-9801 provides the applicator with a method to overcome cure irregularities in a multitude of adverse application conditions.

### 2. PACKAGING

- 1 Pint containers – 0.9 lbs. net
- 1 Gallon containers – 7.2 lbs. net
- 5 Gallon containers – 36 lbs. net

### 3. APPLICATION

The UI-9801 Accelerator use level is variable up to a limit of ½ pint per 5 gallons of Base Coat and one pint per 5 gallons of Top Coat. The higher the level of addition (up to the limit), the more improvement in the cure rate. Typical use levels with various products are as follows:

#### RECOMMENDED USE LEVELS

PRODUCT	BY VOLUME	ALLOWABLE VARIANCE
MCP-3000	1 oz./gal.	+5%
UI-7013	1-1/2 oz./gal.	+10%
UI-7014-HT	2 oz./gal.	+10%
UI-7015	2 oz./gal.	+15%
UI-7016-AL, -AR	3 oz./gal.	+15%

#### TYPICAL APPLICATIONS INCLUDE THE FOLLOWING:

- Cure MCP-3000 (below grade membrane) at near freezing temperatures with only a moderate increase in typical cure times.
- Allows light traffic on decks coated with UI-7013 (Base Membrane Coating), UI-7014-HT and UI-7016-AR (Intermediate Membrane Coatings) or UI-7015 and UI-7016-AL (Aliphatic Top Coats) within a matter of hours at standard temperature and humidity.
- Allows single coat applications of UI-7013 base coat up to 50 mils versus normal recommended application of 32 mils without use of UI-9801 Accelerator.
- Slight increase in tensile strength of UI-7013 with no discernible decrease in elongation.
- Slightly increases the abrasion resistance of UI-7015 and UI-7016-AL.
- Allows coating applications in extremely high humidities (80 – 100% R.H.) with no surface bubbling or blowing.

UI-9801 Accelerator should be added to the moisture-cured urethanes at the job site. Use mechanical agitation for 2 to 3 minutes or until a uniform blend is attained. Take care not to entrap air during mixing. The careful addition of UI-9801 Accelerator to the UI-7000 Series single component urethane products will allow a pot-life or application life of several hours.

**CAUTION:** Excessive addition of UI-9801 Accelerator will result in a drastic reduction of physical properties of the membrane. This could lead to stickiness, cracking and general premature degradation of the membrane.

UI-9801 Accelerator is moisture sensitive and reacts slowly with water. Containers should be kept tightly sealed when not in use. Water

contamination can be detected by the development of a strong acid odor and a darkening in color. This is not detrimental to the use of UI-9801 Accelerator in moisture cured urethanes except for a significant reduction in the work-life or “pot-life” of products mixed with it and the darkening of white or clear top coats.

### 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

#### 9801 Accelerator

PROPERTY	RESULTS	TEST METHOD
Color	Clear Liquid	Gardner
Weight Per Gallon	7.2 lbs.	ASTM D-1475-60
Viscosity @ 77°F	20 – 30 CPS	ASTM D-2393-80
Flash Point (Open Cup)	130°C	ASTM D-1310-82
Flash Point (Closed Cup)	77°C	ASTM D-1310-82
Ignition Temperature	240°C	ASTM D-1310-82

### 6. PRECAUTIONS

Before using this product, read the container precaution label and MSDS sheets carefully. 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. UI-9801 Accelerator is classified as a corrosive material and can cause irritation in prolonged exposure. Wash thoroughly if product contacts skin. Consult Material Safety Data Sheet for further information.

### 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 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.