

# U-COAT PRIMER

## SOLVENT FREE, HIGH SOLIDS, EPOXY-POLYAMINE PRIMER APPLIED OVER CONCRETE AND PLYWOOD SURFACES

**U-COAT PRIMER** is a two-component, high solids, liquid applied, epoxy-polyamine primer with unique penetrating characteristics.

### FEATURES

- Seamless
- Chemical resistance
- Elastomeric
- Waterproof
- Recoatable

### TYPICAL USES

- Concrete
- Plywood
- Polyurethane elastomeric surfaces

### COLORS

Part-A: Blue, Part-B: Yellow

### PACKAGING

**3 gallon kit:** One 3.5 gallon pail, net fill 2 gallons (7.57 liters) of Part-A and one 1 gallon (3.79) can of Part-B.

**15 gallon kit:** Two 5 gallon (18.9 liter) pails of Part-A and one 5 gallon (18.9 liter) pail of Part-B.

### MIXING

The volume mixing ratio is 2 parts Part-A Blue Liquid to 1 part Part-B Yellow Liquid. U-Coat Primer Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. U-Coat Primer must always be mixed with two parts Part-A and one part Part-B (Part-A: Part-B = 2:1). The combined components should be thoroughly mixed using a mechanical mixer at a slow speed.

### APPLICATION

U-Coat Primer should be applied at the rate of 1 gallon (mixture of Part-A and Part-B)/300 square feet (0.14 liters/

square meter). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush or phenolic resin core roller. Allow U-Coat Primer to become tack free before applying the coating. Approximate tack free time is 4 to 6 hours at 75°F (24°C) and 50% relative humidity. Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point. U-Coat Primer is very sensitive to heat and moisture. Higher temperatures and/or humidity will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of application. Low temperature and/or low humidity extend the cure time.

### EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe solvent as permitted under local regulations immediately after use.

### STORAGE

U-Coat Primer has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

### LIMITATIONS

- U-Coat Primer should be coated within 12-16 hours after it has become tack free
- Not UV stable
- Surfaces must be dry, clean and free of foreign matter
- Containers that have been opened must be used as soon as possible
- U-Coat Primer is difficult to clean up after it has cured
- Do not dilute U-Coat Primer
- Mix no more material than can be used within 20 minutes

### TECHNICAL DATA (Based on draw down film)

|  |   |
|--|---|
| Coverage Rate.....                                 | 1 gal/300 sq. ft.<br>(0.14 l/sq. meter) |
| Pot Life, 75°F (24°C) @ 50% R.H.....               | 20-30 min.                              |
| Dry Film Thickness per Coat.....                   | 5 ± 1 mils<br>127 ± 25 microns          |
| Hardness, ASTM D-2240.....                         | 70 ± 5 Shore D                          |
| Specific Gravity                                   |   |
| Part-A.....  | 1.09                                    |
| Part-B.....  | 1.07                                    |
| Total Solids, Weight, ASTM D-2369.....             | 91%                                     |
| Total Solids, Volume, ASTM D-2697.....             | 90%                                     |
| Viscosity at 75°F (24°C)                           |   |
| Part-A and Part-B combined.....                    | 600 ± 50 cps                            |
| Volatile Organic Compounds,<br>ASTM D-2369-81..... | 0.75 lb/gal<br>90 gm/liter              |

### WARNING

This product contains Epoxy Resin and Curatives.

**For technical assistance call  
978-453-8881.**

[www.umaco.com](http://www.umaco.com)

### LIMITED WARRANTY

*The manufacturer guarantees its products to be free of defects and the extent of its liability is limited to the purchase price of the materials only, if proved to be defective. Improper mixing, incorrect application or other factors beyond the control of the manufacturer or its dealers may produce unsatisfactory results and cannot be held to be the manufacturers or its dealers responsibility. There are no other guarantees either expressed or implied.*

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