

# U-COAT 108 (ALUMINUM) | 7E

**A SINGLE-COMPONENT, LIQUID APPLIED, MOISTURE CURED, AROMATIC, POLYURETHANE, ELASTOMERIC WATERPROOFING BASE MEMBRANE**

## **U-COAT 108 (ALUMINUM)**

is a single-component, liquid applied, moisture cured, aromatic, polyurethane, elastomeric waterproofing base membrane.

### **FEATURES**

- Economical.
- Seamless waterproofing membrane.
- Moisture cured.

### **TYPICAL USES**

- Concrete.
- Metal.
- Masonry surfaces.
- Plywood.
- Wood.

### **COLOR**

Aluminum

### **PACKAGING**

5 gallon (18.9 liter) pail  
55 gallon drum, net fill 50 gallons (189 liters)

### **MIXING**

Before application, mix U-Coat 108 using a mechanical mixer at a slow speed. Mix thoroughly until a homogeneous mixture and color is obtained. Use care not to allow the entrapment of air into the mixture.

### **APPLICATION**

For best results, use a squeegee or notched trowel. A phenolic resin core roller may be used but extra care should be taken not to trap air which may result in bubbles. Requires a continuous coating application to minimize lines and/or streaking. It is recommended to apply an aggregate of washed, dry, rounded sand, approximately 16 or 20

mesh (0.0331 - 0.0469 in.; 0.84 - 1.19mm), 6.5+ Moh's minimum hardness at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip resistant finish, into the wet second coat, covering it completely.

Most applications require two coats. To obtain proper adhesion between coats, it is imperative that recoating be done within 48 hours.

### **CURING**

At 75 °F (24 °C) and 50% relative humidity, allow coating to cure for 16 hours before proceeding to subsequent coats. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with U-Coat Primer before proceeding. U-Coat 108 is very sensitive to heat and moisture. Higher temperatures and/or humidity will accelerate the cure time. Use caution in batch sizes and thickness of application. Lower temperature and/or 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 108 has a shelf life of one year from date of manufacture in original, factory sealed containers when stored indoors at a temperature between 60-95 °F (15-35 °C).

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

Coverage Rate.....	See Guide Specifications
Dry Film Thickness, Per coat at 1 gallon/100 sq.ft.....	11 ± 1 mils 381 ± 25 microns
Hardness, ASTM D-2240.....	60 ± 5 Shore A
Tear Resistance, Die C.....	150 ± 25 pli
ASTM D-624	26.3 ± 4.4 kNm
Tensile Strength, ASTM D-412.....	700 ± 100 psi 4.83 ± 0.7 MPa
Ultimate Elongation, ASTM D-412.....	650 ± 75%
Specific Gravity.....	1.26
Total Solids by Weight, ASTM D-2369.....	82 ± 2%
Total Solids by Volume, ASTM D-2697.....	72 ± 2%
Viscosity at 75 °F (24 °C).....	7000 ± 3000 cps
Volatile Organic Compounds.....	1.84 lb/gal ASTM D-2369-81 220 gm/liter

### **LIMITATIONS**

- Surfaces must be dry, clean and free of foreign matter.
- Should be used as a base membrane only.
- Cannot withstand direct wear or abrasion. Topcoat must be applied.
- Containers that have been opened must be used as soon as possible.
- Do not dilute under any circumstance.
- The following substrates must not be coated with Umaco U-Coat deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.



60 REAR NEWHALL STREET

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## **WARNING**

This product contains Isocyanates,  
asphalt and solvent.

**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.*

**04/01/2012**

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