

# U-COAT 295

**SOLVENT FREE, TWO COMPONENT, FAST SETTING, RAPID CURING, HYBRID ALIPHATIC POLYUREA, ELASTOMERIC WATERPROOFING MEMBRANE**

**U-COAT 295** is a two component, fast setting, rapid curing and solvent free, 100% solids hybrid aliphatic polyurea elastomeric membrane. U-Coat 295 can be applied to properly prepared interior or exterior concrete, plywood and metal surfaces. It is suitable for single or multiple applications in temperatures as low as 20°F and is insensitive to moisture.

## FEATURES

- Non-gassing
- Seamless
- Solvent free
- Quick cure
- High solids
- High tensile strength
- Meets USDA criteria
- Environmentally safe
- Available in Dolphin Gray and Tan

## TYPICAL USES

- Vehicular decks
- Balconies
- Mechanical rooms floors
- Pedestrian decks
- Kennels

## PACKAGING

4.4 gallon kit: One 5 gallon (net 4 gallons) pail of Side-A and one 1/2 gallon (net 0.4 gallon) jar of Side-B.

## MIXING

Before application, pre-mix Side-A of U-Coat 295 using a mechanical mixer at slow speed. Add Side-B of U-Coat 295 and continue mixing until a homogenous mixture and color is obtained. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life. Do not mix in an up and down motion.

## APPLICATION

Apply U-Coat 295 evenly, over the entire deck using a 10:1 ratio machine or mixed material, then squeegee or notched trowel over the entire deck. Requires a continuous coating application to minimize lines and/or streaking. Apply up to 1.5 gallons/100 sq. ft (23 mils) in a single application. To obtain proper adhesion between coats, it is imperative that re-coating be done within 8-12 hours.

## CURING

At 75°F (24°C) and 50% relative humidity, allow each coat to cure for a minimum of 2-4 hours. 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 U before proceeding. Allow a minimum of 16 hours before permitting light pedestrian traffic and at least 60 hours before permitting heavy pedestrian or vehicular traffic on the finished surface. Cure time will vary depending on temperature and humidity. U-Coat 295 is sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes.

## EQUIPMENT CLEANUP

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

## STORAGE

U-Coat 295 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).

## TECHNICAL DATA (Based on draw down film)

Mix Ratio by Volume.....	10A: 1B
Dry Film Thickness.....	15 ± 2 mils 381 ± 50 microns
Pot Life at 75°F (24°C) 50% R.H.....	30 ± 10 min.
Cure Time at 75°F (24°C) 50% R.H.....	2-4 hours
Total Solids by Weight, ASTM D-2369.....	94 ± 2%
Total Solids by Volume, ASTM D-2697.....	94 ± 2%
Hardness, ASTM D-2240.....	85 ± 5 Shore A
Tensile Strength, ASTM D-412.....	3200 ± 200 psi 22.1 ± 1.4 MPa
Ultimate Elongation, ASTM D-412.....	450 ± 50%
Adhesive Peel Strength on Primed Concrete; ASTM D-903.....	40 ± 10 pli 7.0 ± 1.7 kNm
Moisture Vapor Transmission, ASTM E-96.....	1.54 perms
Water Absorption, ASTM D-471.....	1.3% by weight
Tear Resistance, ASTM D-624.....	300 ± 20 pli 52.6 ± 3.5 kNm
Volatile Organic Compounds.....	< 0.12 lb/gal ASTM D-2369-81 < 15 gm/liter
U.V. Stability, Q Panel Weather-O-Meter	2000 hours
(No cracking or crazing; no physical damage)	

## LIMITATIONS

- Surface must be dry, clean and free of foreign matter
- Clear coating may turn opaque and cloudy due to moisture penetration especially in exterior applications
- Do not open until ready to use
- Containers that have been opened must be used as soon as possible
- Do not dilute under any circumstance
- Any off ratio mixing of the product will affect the properties and the product may not cure.
- Surface may be slippery when wet



60 REAR NEWHALL STREET

PHONE: 978-453-8881

LOWELL, MA. 01852

FAX: 978-453-2416

- The following conditions must not be coated with Umaco U-Coat deck coatings or systems: split slabs, buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays
- On grade slabs may receive Umaco U-coat system coatings provided a moisture-vapor transmission test is first performed.

### **WARNING**

This product contains Isocyanates and Solvent. U-Coat 295 (Side-B) is considered Dangerous Goods. DOT regulations classify it as: **UN 1760, Corrosive Liquid, N.O.S. (Contains Amine) Class 8, PG III.**

**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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