

# U-COAT 260

**TWO COMPONENT, SOLVENT FREE, HIGH SOLIDS POLYURETHANE ELASTOMERIC BASE MEMBRANE USED FOR A VARIETY OF INTERIOR/EXTERIOR APPLICATIONS**

**U-COAT 260** is a two component, fast setting, fast curing, solvent free, flexible, high performance and high solids polyurethane elastomeric coating that can be applied to suitably prepared interior or exterior concrete, plywood and metal surfaces. Due to its fast gel time, U-Coat 260 is suitable for applications in temperatures as low as 20°F (-6°C). It may be applied in single or multiple applications. U-Coat 260 is also relatively insensitive to moisture and temperature allowing applications in varied temperatures and humidity.

## FEATURES

- Non-gassing
- Can be applied at any thickness
- Good thermal stability
- Good chemical resistance
- Meets USDA criteria
- Excellent low temperature flexibility
- Interior or exterior applications
- Re-coatable
- Seamless.
- Gray in color

## TYPICAL USES

- Vehicular traffic areas
- Sundecks and balconies
- Roofs
- Crack repairs
- Expansion joints
- Stalls, wash racks, kennel runs
- Exterior and interior pedestrian traffic surfaces such as walkways, patios and stairways
- Interior surfaces such as floors and mechanical rooms

## PACKAGING

**5 Gallon Kit:** One 5 gallon pail, net fill 4 gallons (15.12 liters) of Part-A and one 1 gallon (3.78 liters) can of Part-B.

**1 Gallon Kit:** 1 gallon can, net fill 0.8 gallons (3 liters) of Part-A and one quart can, net fill 0.2 gallons (0.78 liters) of Part-B.

## COVERAGE

U-Coat 260 may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 1520 square feet.

## SURFACE PREPARATION

Concrete or plywood substrates must be free of all contamination that may impair proper bonding. Substrates must be sloped a minimum of 1/4" per foot for drainage and must be primed with the applicable primer prior to application of the membrane and surface protection materials.

### **Concrete**

The surface of concrete substrates must be clean and free of standing water. All holes, joints and cracks must be pointed flush with Portland cement mortar and all high spots cut or ground off to provide a smooth, even surface. Before material is applied, the substrate must be clean and free of dust or foreign material. Paint, grease and oil must be removed either by grinding or sandblasting and concrete surfaces must be shot blasted or water blasted. Control joints should be cut per standard concrete construction practices and caulked. Concrete must exhibit 3000 psi minimum. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed

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

Mix Ratio by Volume.....	4A:1B
Coverage Rate.....	1 gal/100 sq. ft.
Dry Film Thickness per coat.....	15 ± 2 mils 381 ± 50 microns
Hardness, ASTM D-2240.....	64 ± 2 Shore A
Tear Resistance, Die C, ASTM D-624.....	230 ± 25 pli 40.3 ± 4.4 kNm
Split Tear, ASTM D-470.....	60 ± 5 pli 10.5 ± 0.9 kNm
Tensile Strength, ASTM D-412.....	1500 ± 100 psi 10.3 ± 0.7 MPa
Ultimate Elongation, ASTM D-412.....	1000 ± 100%
Total Solids by Weight, ASTM D-2369.....	94%
Total Solids by Volume, ASTM D-2697.....	95%
Viscosity at 75°F (24°C)	
Side A.....	2500 ± 500 cps
Side B.....	100 ± 500 cps
Volatile Organic Compounds*	
ASTM D-2369-81.....	< 0.01 lb/gal < 10 gm/liter

\* Contains some high boiling colorless plasticizers.

by a fine hair brooming, left free of loose particles and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function. New concrete must be cured for 28 days prior to product application. Concrete should have a pH balance between 8.0 and 11.0.

### **Plywood**

Plywood should be new or cleaned and sanded. Plywood must be exterior grade having tongue and groove edges and ends perpendicular to supports. The plywood will be 19/32" or 21/32" thick. Plywood should be installed with a maximum of 1/16" space between the plywood sheets and laid over joists on 16" centers. Plywood sheets must be screwed down securely or nailed with



60 REAR NEWHALL STREET

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coated annular ring or shank nails. If the underside of the joists is covered, the floor/ceiling cavity must be vented to aid in drying and to minimize moisture buildup in the deck structure. Damaged panels will be repaired/replaced before coating. Old plywood must be cleaned and sanded before priming with U-Coat Primer at a rate of 1/3 gallon per 100 square feet prior to coating application. The only acceptable grade of plywood is APA rated, exterior grade with exterior glue or better. The appearance and physical characteristics of the plywood and grade should be considered.

### **MIXING**

U-Coat 260 may not be diluted under any circumstances. Proportions are premeasured. Using a mechanical mixer, first pre-mix separately Part-A and Part-B base material thoroughly to obtain a uniform color, making sure to scrape the solids from the bottom and sides of the pail. Pour Part-B into Part-A slowly and while mixing, scrape the sides of the container. Mix for 1-2 minutes. Box the materials. Mix the combined Part-A and Part-B mixture thoroughly until uniform color is obtained. Do not mix in an up and down motion.

### **APPLICATION**

U-Coat 260 should be applied at a temperature of 20°F (-6°C) and above. 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. An aggregate of 14-30 rubber granules may be broadcast into the membrane at a rate of 10 lbs. per 100 sq. ft. or to refusal. The amount of rubber used will vary.

### **CURING**

At 75°F (24°C) and 50% relative humidity, allow each coat to cure for 2 to 4 hours before applying subsequent coats. Cure time will vary depending on temperature and humidity

### **EQUIPMENT CLEANUP**

Equipment should be cleaned with an environmentally safe, polyurethane-grade solvent (alcohol free) as permitted under local regulations immediately after use.

### **STORAGE**

U-Coat 260 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**

- 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
- 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 Curative Material.

**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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