

U-COAT 5000

A SINGLE COMPONENT, LIQUID APPLIED, BITUMEN MODIFIED, COAL TAR FREE, POLYURETHANE POLYUREA WATERPROOFING MEMBRANE

U-COAT 5000 is a single component, liquid applied, bitumen modified, coal tar free, moisture cured, polyurethane waterproof membrane which is available in two versions: Vertical and Horizontal.

FEATURES

- Single component, user friendly
- Economical
- Labor saving
- Resistant to bacterial growth.
- Meets the criteria of ASTM C-836 and E-96

TYPICAL USES

- Foundation walls
- Basements
- Between slabs
- Shower pans
- Bridges
- Tunnels
- Planters

COLOR

Black.

PACKAGING

5 gallon (18.9 liter) pail

MIXING

U-Coat 5000 should be thoroughly mixed using a mechanical mixer at slow speed to ensure a homogenous material. Take care not to allow entrapment of air into the material. Do not mix in an up and down motion.

JOINTS, CRACKS & FLASHING

Apply a stripe coat of U-Coat 5000 over all cracks up to 1/16" in width. All cracks over 1/16" in width must be caulked with a polyurethane sealant. All metal flashings must be primed with manufacturer's recommended primer.

APPLICATION

U-Coat 5000 may be applied with a brush, squeegee, trowel, roller or airless sprayer. Over smooth surfaces, such as poured-in-place concrete, apply U-Coat 5000 evenly in two 30 mil coats. The application rate to achieve 30 dry mils is 50 square feet per gallon. Apply U-Coat Primer per product data sheet in all applications where the U-Coat 5000 membrane will be submerged in water. U-Coat 5000 may be applied to both fully cured (28 days for poured in place and 10 days after grouting for block) and green concrete.

MEMBRANE PROTECTION

As soon as possible after completion of a successful water test or visual inspection and/or repairs, cover membrane with approved protection board or geotextile drainage composite. All horizontal and vertical membrane must be protected.

CURING

At 75°F (24°C) and 50% relative humidity, allow each coat to cure 16 hours minimum. Cure time will vary depending on temperature and humidity. If more than 48 hours pass between coats, the surface must be re-primed. U-Coat 5000 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in thickness of application. Limit single coat thickness to 30-40 wet mils.

EQUIPMENT CLEANUP

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

TECHNICAL DATA (Based on draw down film) U-COAT 5000 (Horizontal Grade)

Hardness, ASTM D-2240.....	50 ± 5 Shore A
Tear Resistance, ASTM D-624.....	40 ± 20 pli 21.0 ± 3.5 kNm
Tensile Strength, ASTM D-412.....	350 ± 50 psi 3.45 ± 0.3 MPa
Ultimate Elongation, ASTM D-412.....	300 ± 50%
Specific Gravity.....	1.32
Total Solids by Weight, ASTM D-236.....	92 ± 3%
Total Solids by Volume, ASTM D-2697.....	90 ± 3%
Viscosity at 80°F (27°C).....	5000 ± 2000 cps
Service Temperature.....	-25°F to 200°F -31.7°C to 93.3°C
Volatile Organic Compounds.....	0.83 lb/gal ASTM D-2369-81 100 gm/liter

TECHNICAL DATA (Based on draw down film) U-COAT 5000 (Vertical Grade)

Hardness, ASTM D-2240.....	45 ± 5 Shore A
Tear Resistance, ASTM D-624.....	35 ± 10 pli 14 ± 2 kNm
Tensile Strength, ASTM D-412.....	350 ± 50 psi 3.45 ± 0.3 MPa
Ultimate Elongation, ASTM D-412.....	300 ± 50%
Specific Gravity.....	1.23
Total Solids by Weight, ASTM D-236.....	92 ± 3%
Total Solids by Volume, ASTM D-2697.....	90 ± 3%
Viscosity at 80°F (27°C).....	40,000 ± 20,000 cps
Service Temperature.....	-25°F to 200°F -31.7°C to 93.3°C
Volatile Organic Compounds.....	0.83 lb/gal ASTM D-2369-81 100 gm/liter

STORAGE

U-Coat 5000 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).



60 REAR NEWHALL STREET

PHONE: 978-453-8881

LOWELL, MA. 01852

FAX: 978-453-2416

LIMITATIONS

- Surfaces must be dry, clean and free of foreign matter
- Surfaces may be slippery when wet
- May not be exposed to ultraviolet rays
- Containers that have been opened must be used as soon as possible.
- Do not dilute under any circumstance

WARNING

This product contains Aromatic Hydrocarbons, Isocyanates and Solvent.

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

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.

04/01/2016

- **Concrete Patching & Repair Products**
- **Masonry Waterproofing Products**
- **Acrylic Admixtures & Bonding Agents**



www.umaco.com

- **Decorative Masonry & Concrete Coatings**
- **Traditional & Synthetic Stucco Systems**
- **Flooring Underlayments & Resurfacers**