



Basic Uses & Description:

U-701 Aliphatic Urethane Topcoat is a single-component, water-based, aliphatic polyurethane coating used as a protective finish over compatible waterproofing membranes. It cures to form a durable, UV- and color-stable surface suitable for exposed applications and light pedestrian traffic areas.

U-701 resists UV exposure, weathering, and abrasion while maintaining flexibility and appearance over time. The aliphatic chemistry prevents yellowing and chalking, and the water-based formulation allows for easy application with low VOC impact. It is intended as a protective topcoat that extends the service life of underlying urethane waterproofing systems.

Features:

- Forms a hydrophobic, 100% waterproofing, seamless, polyurethane coating, that protects the waterproofing basecoat efficient and on a long-term basis
• Resistant to abrasion
• UV & Colour stable
• Gives an easy-to-clean surface
• No chalking effect
• Maintains its mechanical properties over a temperature span of -22 F to + 176 F
• Low VOC content: <100 gr/l
• Resistant to frost insulation(-40°F to +194°F).

Application:

SURFACE PREP:

The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the membrane. Maximum moisture content should not exceed 8%. New concrete structures need to dry for at least 28 days. Old, loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be smoothed. Any loose surface pieces and grinding dust need to be thoroughly removed.

Make sure that the surface on which the waterproofing membrane and top-coat will be applied has min 2% slope, as per European Construction Codes. If this is not the case, use cementitious mortar, resin mortar or other, to create the correct slope, before the application of the waterproofing coating.

APPLICATION:

Stir well before using. Apply by roller, brush or airless spray in one or two layers, depending on the future wear conditions expected.

Allow 3-6 hours (not more than 8 hours) to cure between two layers.

ATTENTION: Do not apply in temperatures below 40 F or when dew, rain or frost is imminent in the next 48 hours. For best results, the temperature during application and cure should be between 40 F and 95 F. Low temperatures retard cure while high temperature speeds up curing. High humidity (fog or dew conditions) retard cure and affect the curing times and curing properties.

WARNING: This product is slippery when wet. In order to avoid slipperiness during wet days, sprinkle suitable aggregates onto the still wet coating to create an anti-slip surface. Please contact our technical Department for more details.

Coverage:

Approximately 4.1-8.2 lb per 100 sq ft, applied in one or two coats.

Coverage is based on roller application over a smooth surface under optimal conditions. Surface porosity, temperature, and application method may affect material consumption.

Table with 2 columns: TEST PROPERTY and TEST VALUE. Rows include Adhesion (Pull off), Tensile Strength, Elongation at break, Hardness (Shore A), SRI Value, Impact Resistance, Wear Resistance, Water Vapor Permeability, Resistance to Water Pressure, Shock Temp, Rain Resistance Time, Light Pedestrian Traffic, and Final Cure Time.





Handling & Storage:

Clean up with soap and water.

Pails should be stored in a dry, cool area for up to 12 months.

Protect material from moisture and direct sunlight. Storage temperature: 41°F to 86°F. Products should remain in their original, unopened containers bearing the manufacturer's name, product designation, batch number, and application precaution labels.

PROTECT FROM FREEZING.

Maintenance:

The life of the roof may be extended by regularly scheduled maintenance. A roof should typically be inspected at least twice a year. The roof immediately needs to be inspected following severe weather and extraordinary maintenance on roof-mounted equipment.

Safety:

Keep away from children. Do not use empty containers for food storage. See information supplied by the manufacturer. Please study the Safety Data Sheet.

Packaging Sizes:

U-701 Aliphatic Urethane Topcoat comes in 5 gallon, 3 gallon and 1 gallon containers.