

DESCRIPTION: Ultra Surface Acrylic Urethane is a two component, high performance sealer used for a variety of applications. It has excellent U.V. resistance and gloss retention for exterior applications and provides a durable, easy to clean, chemical and stain resistant finish. It does not require a primer as with most urethanes but can be used directly as the first coat and topcoat sealer over regular and polymer modified concrete, porous tile, brick and exposed aggregate. It is also compatible to apply over Ultra Surface WB Epoxy. Do not apply Acrylic Urethane over Ultra Surface Stamped Concrete Sealer or Sealcoat 1000. For stamped concrete applications the Acrylic Urethane can be used in place of the Stamped Concrete Sealer where a more durable, high gloss finish is desired. For this application the 1st coat should be thinned 50% with acetone (where local laws permit). The second coat can be applied straight. Acrylic Urethane can also be used as a primer for SB Urethane, HP Urethane or WB Urethane 2A:1B if applied within 12-24 hours of each other. After 24 hours the Acrylic Urethane will need to be sanded with 80-100 grit sandpaper to lightly scratch and dull the surface.

TYPICAL USES: Ultra Surface Acrylic Urethane is most commonly used as a clear topcoat protective sealer in exterior coating applications where extra U.V. Resistance, durability and stain resistance is desired compared to single component materials. It is excellent over acid stained and/or Dyed surfaces that have been properly cleaned and neutralized, stamped concrete, colored concrete and exposed aggregate surfaces. For stamped concrete applications thin the first coat of Ultra Surface Acrylic Urethane with 50% acetone (where local laws permit).

SURFACE PREPARATION: The surface must be clean and sound, free from oil, dirt, waxes and any other contaminants that may interfere with bonding. One method includes scrubbing with detergent, acid washing, neutralizing and pressure washing to clean and rinse.

MIXING INSTRUCTIONS: Mix by volume **2 parts A [resin] to 1 part B [hardener]** using a slow speed drill and mixing paddle. Mix only the amount of material that can be used in a 30 minute period. In hotter temperatures mix smaller batches of 1 _ gallons at a time. For going over stamped concrete or when spraying out of a pump-up sprayer, up to 50% acetone should be added for easier workability. It is recommended to use our SP acetone resistant pump-up sprayer compressed up to 50 psi for the best results.

APPLICATION INSTRUCTIONS: Apply by brush, roller, airless sprayer or for the best results our SP compressed acetone resistant pump-up sprayer with tire valve at a coverage rate of 300-400 sq. ft. per gallon. When using a roller, spray the Acrylic Urethane out of a pump-up sprayer and back roll to achieve the best coverage rate. Roll quickly and move on to the next section keeping a wet edge as you go. Do not over roll to avoid air bubbles. Use a good quality

ULTRA SURFACE ACRYLIC URETHANE

Technical Information

Physical Properties

Mixing Ratio	2 parts A to 1 part B
Coverage Rate	300-400 sq. ft./gallon
Solids Content, Clear	38% [by weight]
Application Temperature	50 degrees or above
Pot life [77 degrees]	60 minutes
Dry to Touch (77 degrees)	2-4 hours
Recoat Time	2-4 hours
Light Traffic	8 hours
Vehicle Traffic	2 days
Full Cure	7 days
Gloss [60 degrees]	90
Hardness [Konig]	127
Flexibility [ASTM D-222]	passes 1/8 inch
Impact Resistance [ASTM D-2794]	passes 38 in./lbs. direct
V.O.C. Clear	250 grams/liter.
Shelf Life	2 years
[When stored in temperatures between 50-80 degrees in un-opened containers.]	

Chemical Composition

Acrylic oligomer crosslinked with aliphatic isocyanate. Modified with U.V. absorbers and hindered amine light stabilizers.

Colors

Available in clear only. For colors use Ultra Surface SB or HP Urethane.

3/8" nap roller cover and rinse the roller and let dry prior to use. On some surfaces and in certain conditions tiny air bubbles may appear while rolling or spraying. If this happens use an electric air blower (do not use a gas

blower) while wearing spiked shoes, immediately behind the sprayer or roller to remove them. **Warning: Turn off all pilot lights and any sources of open flames before application.**

RE-COATING INSTRUCTIONS: Ultra Surface Acrylic Urethane can be applied over itself when dry to touch (approx. 2-4 hrs.). It can also be applied over itself after 24 hours without sanding unlike most urethanes. The only requirement for re-coating is that the surface must be clean. Scrub with detergent and pressure wash or rinse to remove any dirt, oil or other contaminants that may interfere with bonding.

CHEMICAL RESISTANCE (ASTM D-1308 24 HOUR IMMERSION)

Motor Oil	no effect
Gasoline	no effect
Brake Fluid	no effect
Transmission Fluid	no effect
Whiskey	no effect
Coffee	no effect
Urine	no effect
Xylene	film softened/recovered
MEK	film destroyed
Mineral Spirits	no effect
Skydrol	no effect
Whiskey	no effect
10% Hydrochloric Acid	no effect
10% Sulphuric Acid	no effect
10% Acetic Acid	no effect

SLIP/FALL PRECAUTIONS: Concrete Solutions recommends using slip resistant granules in all outdoor applications where the Acrylic Urethane will be used and on indoor applications that may be exposed to water, oil or other spills that may cause a slippery environment. Aluminum oxide granules #80 grit or courser may be broadcast into the prime coat to achieve the amount of slip resistance desired. It is the end users responsibility to determine the suitability of a coating for their particular application. Concrete Solutions or its sales people will not be responsible for injury incurred in a slip/fall accident.

MOISTURE VAPOR TESTING: All concrete floors not poured over a proper moisture barrier, are subject to possible moisture vapor transmission or hydrostatic pressure problems which can cause a coating system to blister or fail. Before applying a coating system over a concrete floor which is on-grade or below grade, the customer should be informed of this potential problem and given the option to have a qualified moisture testing company perform calcium chloride test to give the proper recommendations.

WARNING: Material is combustible. Extinguish all flames, pilot lights and electric motors until all vapors are gone and the coating is hard. The vapor is harmful. Use only with adequate ventilation/or appropriate cartridge-type respirator. Avoid contact with skin; wear protective gloves. Read Material Safety Data Sheet before using.

WARRANTY INFORMATION: Concrete Solutions guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the

defective material at the option of the seller. Concrete Solutions makes no other warranty, expressed or implied, and all warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product.