



# Poly Pro 38

**PRODUCT DESCRIPTION:** SS Poly Pro 38 is a UV Resistant, specially formulated, two-component, low viscosity acrylic urethane. This product provides a resistant, durable, high gloss protective coating for interior and exterior use in a residential setting.

## **BENEFITS/FEATURES**

- Provides high gloss, durable topcoat.
- Superior UV stability outperforms similar products.

**RECOMMENDED APPLICATIONS:** SS Poly Pro 38 is recommended as an exterior stand alone coating for porous decorative concrete surfaces, especially stamped concrete. SS Poly Pro 38 also serves as a suitable topcoat for interior residential projects using the SS Water Based Epoxy 40 as a primer. Maintenance with SS Cherry Wax, or SS Cherry Wax Plus is recommended.

## **TECHNICAL INFORMATION**

Abrasion Resistance .....	65—70 mg loss (Tabler Index, ASTM 4060-81, CS-17 Abrasion Wheel, 1000 gram load)
Gloss 60° .....	92
Elongation (ASTM D882-67) .....	5.1—7.1%
Flexibility (1/8" Mandrel).....	Pass
Hardness (7 days).....	5H—6H
Heat Resistance .....	300° F
Water Resistance .....	Excellent
Solids % Weight (Federal Spec. TTP-141B).....	51%
Density lbs/Ga. (Federal Spec. TTP-141B).....	8.51
VOC .....	400 grams/liter
Mix Ratio (a/b volume).....	4 to 1
Coverage (3 mils drf.).....	280 sq. ft./ga
Viscosity .....	85—87 KU
Pot Life .....	45 Minutes
Dry Time—Set to Touch (50% R.H. @ 72°F .....	2 hours
Dry Time—Recoat (50% R.H. @ 72°F .....	10—12 hours
Dry Time—Light Traffic (50% R.H. @ 72°F).....	24 hours



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Dry Time—Cure (50% R.H. @ 72°F).....72 hours  
 Dry Time—Full Cure (50% R.H. @ 72°F) .....7 days  
 Solvent.....Xylene, Butyl Acetate, Aromatic 100  
 Flash Point.....80°F

**CHEMICAL & STAIN RESISTANCE (ASTM D-1308 24 HOUR IMMERSION)**

Wine..... No Effect	Urine.....No Effect
Gasoline..... No Effect	Motor Oil .....No Effect
Brake Fluid ..... No Effect	Transmission Fluid .....No Effect
Skydrol ..... No Effect	10% Sulfuric Acid.....No Effect
10% Hydrochloric Acid..... No Effect	10% Acetic Acid.....No Effect
Xylene ..... No Effect	MEK .....No Effect

**APPROXIMATE COVERAGE RATES**

<u>Application Surface</u>	<u>First Coat</u>	<u>Optional Second Coat**</u>
New (unsealed) concrete	250-300 ft <sup>2</sup>	250-300 ft <sup>2</sup>

\*Coverage rates vary depending upon surface porosity and texture, and application method.

Excessive build up may cause bubbles and shortened durability.

\*\*Please refer to application instructions for proper application of second coat.

**SHELF LIFE:** SS Poly Pro 38 has a shelf life of up to one year in its original, sealed, unopened container.

**PACKAGING:** SS Poly Pro 38 is packaged in 1.25 gallon and 5 gallon kits.

**INSTRUCTIONS FOR USE**

**SURFACE PREPARATION FOR NEW CONCRETE\*:** Acid etch evenly with a solution of 1 part commercial muriatic acid to 3 parts clean water (by volume) or SS Surf Prep and rinse thoroughly with a balance neutralizer, or a neutralizing solution of 1 cup ammonia to 5 gallons clean water to achieve a neutral substrate of 7 pH. Allow surface to dry completely prior to coating application. Light shotblasting or diamond grinding is suggested for superior adhesion.

**SURFACE PREPARATIONS FOR COATED CONCRETE\*:** An existing coating must be completely removed prior to applying new product. A thorough sanding or other mechanical grinding is highly recommended to prepare the surface. It is highly recommended that a test be conducting on the prepared area to determine adequate adhesion of the SS Poly Pro 38 to the prepared surface prior to sealing the entire floor area.

Substrate temperature must be no less than 55° F and not exceed 80° F. Avoid applying coating in high humidity/moisture atmospheres. If applied outside these limits the coating may not achieve adequate film formation and may have excessive air entrapment, bubbles, blushing or hazing.

*\*If applying acid stain, see Acid Stain Tech Data for proper surface preparation techniques.*

**MIXING:** Mix exactly 4 parts of A to 1 part of B (4:1). Mix thoroughly to ensure uniform coating, color (if applicable), and thorough curing properties. No induction time is needed. Be sure to only mix enough material that can be applied within 45 minutes.

**APPLICATION:** It is recommended to apply this coating using a 3/8"-1/2" shed-free, phenolic core

roller. Apply evenly at a rate of 250-300 square feet per gallon, always keeping a wet edge. Back rolling is necessary to achieve a uniform, roller mark free application. It is recommended to work in sections usually using control joints as dividers to ensure proper application results. Do not allow to puddle. Use a bristle brush to remove excess coating in joints. It is recommended to recoat within 24 hours of first coat (suggested recoat time approximately 10-12 hours in average application temperatures of 50% R.H. @ 72°F). If recoat time exceeds 24 hours, get a mechanical bond by sanding with a 220 grit sand paper and reduce the second coat adding 15% Acetone (approximately 1 pint Acetone to 1 mixed gallon of product) to achieve proper inter-coat adhesion.

**PLEASE NOTE:** It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc.

**CLEAN UP:** Use Xylene. Dispose of containers in accordance with local and federal regulations.

**PRODUCT REMOVAL:** Dried, cured urethane may be removed with a commercial stripper, but recommended removal is by way of mechanical means, including sanding, shotblasting, etc.

**PRECAUTIONS AND LIMITATIONS:**

- SS Poly Pro 38 will not freeze during storage, however, allow temperature to rise to a minimum 60°F prior to application.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvents fumes are not distributed.
- Keep away from open flames. SS Poly Pro 38 is flammable and is very susceptible to ignition.
- SS Poly Pro 38 contains harsh vapors. Adequate ventilation and proper respiratory protection is necessary.
- It is not recommended to apply SS Poly Pro 38 over existing coatings due to inadequate adhesion.
- Coverage rates depend upon many conditions including application method, surface porosity, applicator, etc.
- SS Poly Pro 38 should be applied in medium to thin coats. Do not puddle.
- Be aware that this product may be slippery when wet. Anti Slip additive may be needed to reduce surface slip hazards.
- Do not apply SS Poly Pro 38 over wet or damp surfaces. Moisture tests may be necessary prior to application.
- SS Poly Pro 38 may darken the surface of many new and existing concrete slabs. Test prior to use.

**SPECIAL NOTES:** Please consult Material Safety Data Sheet (MSDS) and read Warranty information prior to use. This information can be requested by contacting customer service at 866-906-2006.

*November 30, 2011*