

# SS Poly Pro

## Technical Data Sheet [01/05/17]

### HIGH PERFORMANCE SOLVENT BASED ACRYLIC URETHANE



#### PRODUCT DESCRIPTION

SS Poly Pro is a UV resistant, specially formulated, two-component, low viscosity, solvent based acrylic urethane. This product provides a resistant, durable, medium to high gloss protective coating for interior and exterior concrete surfaces.

#### BENEFITS AND FEATURES

- Excellent long term wear capabilities for longer life without recoating.
- Superior UV stability outperforms similar products.
- Enhanced chemical and stain resistance makes this an excellent top coat in a variety of locations.
- Excellent top coat over any SS Specialties Stain Systems or as a durable top coat over SS Specialties Metallic.
- Can be tinted for solid color applications using SS Specialties Color Dispersion.

#### RECOMMENDED APPLICATIONS

Effective applications for auto service centers, warehouses, laboratories, aircraft hangars, cafeterias, garages or any home application.

#### TECHNICAL INFORMATION

Solid/Active Content % by weight.....	51% +/- 1%
Dry Time - Tack Free.....	2-3 hours
Dry Time - Foot Traffic .....	24 hours
Dry Time - Heavy Traffic .....	5-7 days
Recoat Time Window.....	4-20 hours
Application Temperature .....	50°F to 80°F
VOC .....	< 400 grams per liter
Appearance - Wet .....	Clear (May show slight haze)
Appearance - Dry.....	Clear & Medium/High Gloss

#### APPROXIMATE COVERAGE RATES

First Coat.....	550 feet per kit
Second Optional Coat.....	600 feet per kit

Coverage rates vary depending upon surface porosity and texture, application method and prior sealer application. Follow directions for best results. Excessive buildup should be avoided.

#### SPECIFICATIONS/COMPLIANCES

Dried Coating is USDA accepted.

#### INSTRUCTIONS FOR USE

**SURFACE PREPARATION:** Surface preparation will vary according to the type of complete system to be applied. Apply coating to a clean surface that is completely dry and free of oil, dirt, grime, wax, detergent or any incompatible paint or coating. The use of SS Surf-Prep or a diamond grinding machine to obtain a surface profile of a CSP 1 to a CSP 3 is suggested for ultimate adhesion. If applying to an existing fully cured coating, the surface must be cleaned and lightly sanded with 80—100 grit sandpaper. If multiple coats of urethane are required, apply the second coat as close as possible to the suggested time (see technical information section on this data sheet). Do not exceed 24 hours to or a light sanding will be needed for adequate adhesion between coats. A test should be made to determine that the concrete is dry:

this can be done by placing a 4x4 plastic sheet on the substrate and taping down the edges. If after 24 hours the substrate is still dry below the plastic sheet, then the substrate should be ready to coat. More advanced moisture testing kits should be used on floors with suspected moisture problems.

Substrate and air temperature must be no less than 50°F and not to exceed 80°F. If applied outside these limits, the sealer may not achieve adequate film formation and may have excessive air entrapment, bubbles, blushing, or hazing. Note that in direct sunlight, substrate temperature can exceed 150°F, which can cause extreme bubbling issues.

**MIXING:** Pour a full pre-packaged kit of 4 parts Part A to 1 part Part B together and mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and homogenous. Avoid whipping air into the coating. Improper mixing may result in product failure. If making less than a kit, mix Part A and Part B separately with a stir stick, low speed mixer, or vigorously shake container prior to blending the smaller kits to ensure uniform distribution of all ingredients.

**APPLICATION:** Apply the mixed material with a 3/8"- 1/2" nap shedless, phenolic core roller cover. Apply evenly at a rate of 550 square feet per kit, 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 coatings in joints. Recoat within listed recoat window. If recoating after 24 hours, a light sanding using a fine sanding screen may be needed to ensure adequate inner coat adhesion.

*Please note: Applying SS Poly Pro outside of the suggested parameters may result in job failure. 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. Increased temperature will shorten recoat window. Decreased temperature will lengthen recoat time.*

#### CLEAN UP

Use Xylene. Dispose of containers in accordance with local and federal regulations.

#### PRODUCT REMOVAL

Dried, cured sealer may be removed by chemical means such as SS Strip-A-Lot or mechanical means.

#### SHELF LIFE

SS Poly Pro has a shelf life up to one year (12 months) in its original, sealed, unopened container stored at room temperature.

#### PACKAGING

SS Poly Pro is packaged in 1.25 gallon kit and 5 gallon kit and available in lower VOC formulations.

#### PRECAUTIONS AND LIMITATIONS

- All new concrete must be cured for at least 28 days prior to application.
- Coverage rates depend upon many conditions including application method, surface porosity, applicator, etc.
- SS Poly Pro performs best when applied as one or two medium-light coats, not one heavy coat. Do not puddle.

- Be aware that this product may be slippery when wet. SS Specialties Anti Slip additives may be needed to reduce surface slip hazards.
- SS Poly Pro may darken the surface of many new and existing concrete substrates. Test prior to use.
- It is not recommended to thin product. Improper thinning may cause sealer to delaminate in a short time frame.
- This product will not freeze during storage; however, allow temperature to rise to 50°F prior to application.
- All HVAC ventilation ducts should be blocked prior to application so solvents fumes are not distributed. It is recommended to turn OFF the HVAC system.
- If using indoors, use proper ventilation while applying and for hours after application to ensure fumes are removed.
- *Solvent vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electrical motors, static discharge, or other ignition sources at locations distant from material handling point.*
- It is not recommended to apply product over carpet, tile, or other types of floor adhesives. Do not use on brick.
- Physical properties listed on this technical data sheet are typical values not specifications.
- The statements made within this technical data sheet, SDS, product labels, etc, are guidelines only. The end user should always perform tests and product evaluations prior to application to ensure suitability for particular uses.
- If applying over an existing coating, proper adhesion and compatibility tests are essential. In this application the substrate preparation, application, performance and all other liabilities are strictly the end user's responsibility. SS Specialties offers no guarantee, warranty or other claims to the success or results of the job in this circumstance.

## SPECIAL NOTES

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

## WARRANTY

SS Specialties and its affiliates warrant our products to be of good quality, free of defects and will conform to our published specification in force on the date of acceptance of the order. As the exclusive remedy for breach of this warranty, SS Specialties will replace defective materials ninety days after SS Specialties has shipped the product. All our warranty and other duties with respect to the quality of materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates, and no action for breach of any said duties may thereafter be commenced. No warranty is expressed or implied as to the length of life of this product or merchantability or fitness. Liability, if any, is limited to the purchase price of the material. Under no circumstances will SS Specialties be liable for any consequential damages in excess of the purchase price of the product.

