SURFKOAT.
Surface Koatings, Inc.
Manufacturers of Industrial and Decorative Concrete Materials

POLY 250

high perfomance, solvent based acrylic urethane

HIGH PERFORMANCE COATINGS

Poly 250 is a clear, UV resistant, two component, low viscosity, solvent based acrylic urethane. Poly 250 provides a tough, scratch resistant, medium to high gloss protective coating for interior and exterior concrete surfaces.

Key Features & Typical Benefits

- Excellent long term wear capabilities allow for longer life without re-coating.
- Enhanced chemical and stain resistance make this an excellent top coat in a variety of locations.
- UV stability allows this to be used in areas saturated by the sun throughout the day.
- This is an excellent top coat over *Metallic FX™*, *Rapid Cast™*, and *Kolour Dye™* flooring systems.
- Can be tinted for solid color applications with *SurfKoat's Kolour Koat Urapack-S™*.

Recommended Applications

Effective on applications such as...

- Auto Service Centers
- Warehouses
- Laboratories
- Aircraft Hangars
- Cafeterias
- Garages

Specifications / Compliances

- Dried coating is USDA accepted

Typical Properties & Technical Information

PROPERTY	VALUE
Solids/Active Content, Percentage by weight	51% +/- 1%
Dry Time - Tack Free	2 - 3 hours
Dry Time - Foot Traffic	24 hours
Dry Time - Heavy Traffic	5 - 7 days
Re-Coat Time Window	4 - 20 hours
Application Temperature	50° F - 80° F
VOC (Volatile Organic Compound) Content	Less than 400 grams/Liter
Appearance - Wet	Clear (May show slight haze)
Appearance - Dry	Clear and Medium/High Gloss

Testing in accordance with procedures outlined in EPA Method 24, "Volatile Organic Content VOC of Paints and Related Coatings". The solids content was determined in accordance with ASTM D 5095 and the VOC was calculated in accordance with ASTM D 3960.

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Refer to msds prior to use.

Poly 250

Application Instructions

SURFACE PREP: 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. 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 re-coat time (see technical information section on this data sheet). Do not exceed 24 hours to re-coat or a light sanding will be needed for adequate adhesion between coats. A fine to medium shot blasting or the use of a diamond grinding machine to obtain a surface profile of a CSP - 3 to a CSP - 5 is suggested for ultimate adhesion. A test should be made to determine that the concrete is dry; this can be done by placing a 4 x 4 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 40° F and not 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: If mixing less than a full kit, mix Part A & Part B separately with a stir stick, low speed mixer or vigorously shake container prior to blending the smaller kit to ensure uniform distribution of all ingredients. Pour a full pre-packaged kit of 4 parts of Part A to 1 part of Part B together and mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and homogeneous. Avoid whipping air into the coating. Improper mixing may result in product failure.

COVERAGE RATE: *First Coat* : 250 - 300 ft² per gallon* *Optional Second Coat* : 250 - 300 ft² per gallon*
*Coverage rates may vary depending upon surface porosity, texture, application method and prior sealer application. Excessive build up should be avoided.

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. Re-coat within listed re-coat window. If re-coating after 24 hours a light sanding using a fine sanding screen may be needed to ensure adequate inner coat adhesion.

FOR PERSONAL PROTECTION USE GLOVES, GOGGLES, AND RESPIRATORS.

PLEASE NOTE: Applying material outside the suggested parameters may result in product 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. When applying, do not exceed 400 sq. ft. per gallon. Applying too thin of a coating may cause inadequate film formation or performance expectations may be limited. DO NOT USE ON BRICK. Increased Temperature will shorten re-coat window. Decreased Temperature will lengthen re-coat window.

Precautions and Limitations

- This product will not freeze during storage, however, allow temperature to rise to 50°F prior to application.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.
- If using indoor, use proper ventilation while applying and for hours after application to ensure fumes are removed.
- It is not recommended to apply product over carpet, tile, or other types of floor adhesives.
- This product performs best when applied as one or two medium-light coats, not one heavy coat.
- Please be aware that this product when cured may be slippery when wet. An anti-slip additive, such as Surf-Grip, can be added to reduce slip hazards.
- All new concrete must be cured for at least 28 days prior to application.
- It is not recommended to thin product. Improper thinning may cause sealer to delaminate in a short time frame.
- This product may darken the surface of many new and existing concrete slabs. Test prior to use.
- Physical properties listed on this technical data sheet are typical values not specifications.
- 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, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

CLEAN-UP: Use xylene. Dispose of containers in accordance with local, state and federal regulations.

PRODUCT REMOVAL: Dried, cured sealer may be removed with a commercial paint stripper, such as *Nock-Off* or by using a diamond grinding method, sandblasting method or similar mechanical action.

SHELF LIFE: Up to one year from manufacture date in its original, unopened container stored at room temperature.

PACKAGING: Available in 1.25 gallon and 5 gallon kits.

Always read all technical information, label and SDS prior to use. This information can be found online or by calling customer service at the number below.