

S-8400 Supra-Seal™ Plus

TECHNICAL DATA SHEET

DESCRIPTION

S-8400 Supra-Seal Plus is a clear, solvent-based acrylic designed for sealing conventional concrete, exposed aggregate, porous tile, concrete pavers, and a variety of architectural concrete surfaces. S-8400 Supra-Seal Plus is based on a hard acrylic polymer that produces coatings that give good gloss, stain-resistance and cleanability. Adhesion to properly prepared cementitious surfaces is excellent, and the material is completely non-yellowing. This product is not for use in California.

USES

- Sealer
- Interior and exterior applications
- Residential and commercial applications
- Concrete and cementitious overlays

CHEMICAL COMPOSITION

High molecular weight thermoplastic acrylic resin dissolved in a specially formulated blend of solvents.

LIMITATIONS

- Do not use on exterior on-grade flagstone, sandstone or slate.
- Use in heavy foot traffic areas requires regular maintenance coating.
- Will not resist solvents or brake fluid.
- Concrete must be absolutely dry.



SURFACE PREPARATION

Surface must be clean, sound and absolutely dry. Surface preparation should be done with a floor machine and nylogrit type brush. Scrub the surface well using S-12000 Heavy Duty Degreaser. Do not let cleaning solution dry on the surface. Rinse well with water and allow to dry overnight before coating.

APPLICATION RECOMMENDATIONS

S-8400 Supra-Seal Plus may be applied by brush, roller, airless sprayer or floor squeegee. If rolling the material, use a 1/2-3/4 inch nap roller cover and work from a roller pan or 5 gallon pail. Use the dip and roll method. Do not pour the material on the surface. Because the material dries quickly, apply liberal amounts, work small areas, and keep a wet edge. Distribute the material evenly by slightly overlapping the area previously coated. Roll laterally across the body and roll again with a vertical up and down motion. Application rates will vary from 200-400 sq. ft. per gallon depending upon the texture and porosity of the substrate. S-8400 Supra-Seal Plus may be thinned with MEK, Xylene or Acetone if desired.

RECOATING

S-8400 Supra-Seal Plus may be re-coated with as soon as it is tack free, usually 20-40 minutes. Re-coating after the material is fully cured requires that the surface be clean and dry. When re-coating fully cured S-8400 Supra-Seal Plus you must reduce your first coat 100% (1 to 1) with Acetone to improve inter-coat adhesion.

SHELF LIFE:

S-8400 Supra-Seal Plus has a shelf life of 1 year when properly stored in an unopened container. Material should be stored at 55°-90° and no greater than 50% humidity. Ensure all lids are tightly sealed to ensure the longest lasting shelf-life.

Super-Krete Products is a Division of Arizona Polymer Flooring, Inc.

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4565 W Watkins St. / Phoenix, AZ 85043 / 800.562.4921
623.435.2277 Tel. / 623.435.8585 Fax
www.super-krete.com

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PRECAUTIONS:

- *Handling Precautions:* Material is flammable. Extinguish all flames, pilot lights and electric motors until all vapors are gone and the coating is hard. **The vapor is harmful. Do not use indoors unless area can be properly ventilated. Use a cartridge type respirator during application.** Avoid contact with skin, wear protective gloves. Read Safety Data Sheet before using.
- *Slip and Fall Precautions:* OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Arizona Polymer Flooring recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Arizona Polymer Flooring or its sales agents will not be responsible for injury incurred in a slip and fall accident.

TECHNICAL INFORMATION:

Physical Properties	
Solids Content, by Weight	25%
Volatile Organic Compounds	680 grams/liter
Tukon Hardness	16
60% Gloss (4 mil dry film)	75
Adhesion to Concrete (ASTM D451)	Concrete fails before loss of bond

Cure Times (77 degrees mil wet film)	
Recoat	30-60 minutes
Light Traffic	4 hours
Full Cure	72 hours

*Higher temperatures will shorten dry times and lower temperatures will lengthen dry times. Thicker films will take longer to dry.

LIMITATIONS:

Super-Krete Products are to be applied only when surface temperatures are above 55°F and rising and not to exceed 100°F. Super-Krete Products are not to be applied when precipitation is expected within 24 hours following completion of application. Do not allow materials to freeze. Each Super-Krete product acts as an inherent part of a proven system. Super-Krete Products are professional, contractor grade products. Training in the use of these products is available. Consult a Super-Krete Products representative for information and assistance locating approved contractors in your area or for training class dates.

MOISTURE VAPOR EMISSIONS PRECAUTIONS:

All concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission that may lead to blistering and failure of the coating system. It is the coating applicator's responsibility to conduct calcium chloride testing in compliance with ASTM F1869, or relative humidity probe testing in compliance with ASTM-F2170, to determine if excessive levels of vapor emissions are present before applying any coatings. Arizona Polymer Flooring offers **S-1300 Pene-Krete®** for cementitious overlay products and **VaporSolve® Moisture Remediation** systems for resinous floor coatings. Consult our technical service department. Arizona Polymer Flooring and its sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

WARRANTY:

Arizona Polymer Flooring 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. ARIZONA POLYMER FLOORING MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Arizona Polymer Flooring shall not be liable for damages caused by application of its products over concrete with excessive moisture vapor transmission or alkalinity. Arizona Polymer Flooring shall not be liable for any injury incurred in a slip and fall accident. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product.

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