

# S-9500 Color Stain™

TECHNICAL DATA SHEET

## DESCRIPTION

S-9500 Color Stain™ is a water-based acrylic/urethane emulsion formulated for ease of application. S-9500 Color Stain is available in 20 standard colors, and provides a natural, fresh look for old as well as new surfaces, interior and exterior. S-9500 Color Stain is translucent, so stained surfaces won't look painted. The look of the acid stain can easily be achieved without the hazards, toxicity or special handling. S-9500 Color Stain is an excellent way to "antique" existing or new stamped concrete finishes and is extremely versatile. It can be applied by low-pressure sprayer, hand-pump type sprayer, airbrush or sponges for various effects.

## USES

Interior / Exterior  
Stamped Concrete  
Driveways  
Pool Decks  
Walkways  
Concrete

Stamped Overlays  
Art Deco Surfaces  
Commercial / Residential  
Masonry Walls  
Water Features  
Anywhere Color is Desired!

## ADVANTAGES

Water-based  
Simple application  
Performance of urethanes  
Easy application of acrylics  
Zero VOC's  
UV resistant  
Non-toxic  
Endless color possibilities  
Easy maintenance  
Non-yellowing

Water repellent  
Environmentally friendly and safe  
Durable when sealed  
Non-acidic  
Non-reactive  
Chemically resistant when sealed  
OSHA Compliant, contains no ingredients to be listed by OSHA CFR 1910 1200



## CSI RELATED SECTIONS

03 05 00 - Common Work Results for Concrete  
09 93 00 - Staining and Transparent Finishing  
09 94 00 - Decorative Finishing

32 01 26.74 - Concrete Overlays  
32 13 16 - Decorative Concrete Paving

## SURFACE PREPARATION

Before any Super-Krete products are applied over concrete, the slab must be free of sealers, any type of curing compounds and bond-breakers. Always refer to the **Super-Krete Products Surface Preparation Guide** for surface testing, cleaning, preparation and porosity requirements prior to applying **Super-Krete**.

**Arizona Polymer Flooring recommends that all Super-Krete cementitious overlay product applications, over concrete, first be treated with S-1300 Pene-Krete.**

## APPLICATION

**Standard Application:** Mix material thoroughly prior to application and use a paint strainer when pouring into sprayer. Apply stain in a light, even coat to dampen surface only. Do not soak surface and do not allow to puddle. Follow immediately with a soft flag-tipped broom to further spread material. Allow first coat to fully dry (approximately one hour) and repeat application method until uniform or desired look is achieved. Two to three coats may be required to achieve desired look. Apply S-9500 Color Stain only with a filtered hand pump sprayer. Set airless sprayer at lowest pressure setting and use nozzle of sufficient size to prevent atomization. Use a soft flag-tipped broom to further spread material and provide uniformity.

**Protective Sealing:** S-9500 Color Stain must be sealed with a clear sealer to protect the surface and for easy maintenance. To determine the appropriate sealer for your project, please refer to the **Super-Krete Products Surface Preparation Guide** for surface testing, cleaning, preparation and porosity requirements prior to application.

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

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## WATERBASED COLOR STAINING TECHNIQUES

S-9500 Color Stain is user-friendly and beautifies concrete surfaces with very little effort. Containing no chemical or hazardous materials, S-9500 Color Stain is the alternative to acid stain. With water-based stains, you can mix and match colors to achieve your own look. Colors can be mottled out or marbled. They can be applied by a variety of methods including brush, broom or sprayer. No rubber gloves or ventilation equipment are needed. The colors are true and what you see is what you get. There are no chemical reactions with the contents in the concrete, so you can expect to see the results you are trying to achieve without worry.

Enhance any concrete or surface by adding color. It is helpful to have your client sign off on a sample created and kept by the installer in advance of the installation to ensure that the client's needs are being met.

### TO APPLY:

1. Mist the stamped area with water and apply S-9500 Color Stain using a sponge, brush, filtered airless sprayer or hand-pumped type sprayer.
2. Shake S-9500 Color Stain well to ensure that all contents in the product are thoroughly mixed. **DO NOT DILUTE.** If using a sprayer, filter the stain with a strainer before pouring the stain into the sprayer. It is best to pour half of the contents into the sprayer base, shake the container again, and pour the remainder of the product into the sprayer base, then shake or re-mix well.
3. Pre-dampen surface with clean water. Spray S-9500 Color Stain on to the surface. Apply with only a filtered hand pump sprayer or airless sprayer. Set airless sprayer at lowest pressure setting and use nozzle of sufficient size to prevent atomization. Use a soft flag-tipped broom to further spread material and provide uniformity.

**APPLICATION TIPS:** When applying S-9500 Color Stain, always use lighter or brighter colors as a base first and highlight areas if desired with darker colors. When highlighting areas for contrast, always make sure that the base color has dried before applying highlight colors. When mixing colors before they have dried, the color may blend together to form new colors. This can be done, but be sure it is the effect you are trying to achieve. Lines and joints can be enhanced using a hand-held dustless grinder or diamond blade and can be grouted out for a more dramatic appearance to add dimension. Grouting should be done between sealer coats.

### STANDARD APPLICATION:

Apply stain in a light, even coat to a lightly dampened surface only. Do not soak surface and don't allow to puddle. Follow immediately with a soft flag tipped broom to further spread material. Allow first coat to fully dry (approximately one hour) and repeat application method until uniform. Two to three coats may be required to achieve desired finished colors.

*Color Tip:* Apply lighter colors first, allow to dry, and then highlight using darker colors. For marbling, or to create an acid-stained appearance, always pre-dampen between applications.

### HEAVIER TRAFFIC AREA APPLICATIONS:

For heavier traffic areas, stain according to the standard application. Allow a 24 hour cure time. Return to apply a minimum of 2 coats of the appropriate sealer.

### MARBLEIZED FINISH/MOTTLED LOOK:

Spray S-9500 Color Stain directly on the substrate and broom to spread the color. Spray a light mist of water. This will remove broom lines and will also assist in the spreading (marbleizing) of the color. Spray-apply the highlight color and then mist with water to spread.



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TECHNICAL DATA SHEET

<b>Coverage</b>	150 sf – 300 sf / 1 gallon	<b>Packaging</b>	1 gallon bottles / 4 per case 5 gallon Pails / 36 per pallet 55 gallon drums / 4 per pallet
<i>*Coverage rates will vary, this is an approximation only. Actual coverage will vary due to substrate conditions, surface porosity and method of application.</i>		<b>Colors</b>	20 standard colors Custom colors available
<b>Cure Time</b>	Dry to touch in approx. 1 hour. Will accept foot traffic in 4 hours. Final cure is 72 hours	<b>V.O.C. Content</b>	Zero
<b>Shelf Life</b>	5 years when properly stored.	<b>Odor</b>	Slight acrylic odor
<b>Storage</b>	Store in a cool, dry place. Keep from moisture and freezing.	<b>Specific Gravity</b>	1.060
<b>Appearance</b>	Translucent color liquid	<b>Percent Volatiles by Weight</b>	.54% - .56%
<b>Tools Required</b>		<b>CAUTION</b>	Keep away from children. Do not take internally. Always use safety gloves, appropriate eye protection, and appropriate OSHA/NIOSH approved respirator in areas with poor ventilation and when exposed to spray mist both indoors and outdoors. If ingested, seek medical attention immediately.
Pump Sprayer	Airbrush		
Trowel	Rags		
Sponge	Water		
Brush	Broom		

## 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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