

Color Stain™ 5100 System

SYSTEM DATASHEET

SYSTEM DESCRIPTION

The Color Stain 5100 System is a penetrating, water-based stain and sealer system. The stain in this system is S-9500 Color Stain, an acrylic/urethane, which creates a translucent look over concrete. 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 exteriors. The sealer for this system is SK-P5100, a two-component, solvent-free, VOC compliant, aliphatic polyurea/polyaspartic hybrid top coat that cures at a low temperature. This system provides excellent chemical and abrasion resistance.

FEATURES & BENEFITS

- Simple application
- Performance of urethanes
- UV resistance
- Ease Maintenance
- Non-Yellowing
- Water repellent
- Non-Acidic
- Chemically resistant

PRODUCTS

- S-9500 Color Stain
- SK-P5100 Clear

SYSTEM USES

Interior/Exterior	Concrete	Commercial/Residential
Stamped Concrete	Driveways	Masonry Walls
Stamped Overlays	Walkways	Water Features
Art Deco Surfaces	Pool Decks	Anywhere Color is Desired

COLORS

Available in 20 standard colors. Please refer to the S-9500 Color Stain Color Chart.

PHYSICAL PROPERTIES

7 Days at 75°F (24°C) Resin and Hardener

Gloss (Satin clear gloss, 60 degrees) ASTM D523	90+
Tensile Strength ASTM D882	8,500 psi
Tensile Elongation ASTM D882	10%
Surface Hardness ASTM D2240 Shore D	70-75
Pencil Hardness ASTM D3363	2H - 3H
Adhesion to Concrete ASTM D7234 (100% Concrete Failure)	400 psi
Abrasion Resistance ASTM D4060 (CS-17 wheel, 1 kg load, 1,000 cycles)	30 mg lost
Water Absorption ASTM D570 (24 hour immersion)	0.10 % maximum
Flammability ASTM D635 (Bonded to Concrete)	Self-Extinguishing
Microbial Resistant ASTM G21	Passes Rating #1

CHEMICAL RESISTANCE

Please refer to the Super-Krete Products Chemical Resistance Guide for system chemical resistance.

INSTALLATION

Please refer to the "Color Stain 5100 System Application Instructions" for information on installing this system.

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4565 W. Watkins St., Phoenix, AZ 85043

800.995.1716 / 619.401.8282 Tel. / 619.401.8288 Fax

www.super-krete.com



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SPECIFICATION

Please refer to the "Color Stain 5100 System Specification" for information on specifying this system.

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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