

# Acid Stain 100 System

SYSTEM DATASHEET

## SYSTEM DESCRIPTION

Acid Stain 100 system is an acidic coloring solution which chemically reacts with concrete and other cementitious substrates to create translucent and variegated color effects. Acid Stain 100 System is sealed with a two component High performance polyester urethane, giving it unmatched chemical and abrasion resistance. The coloration becomes a permanent part of the substrate and cannot crack or peel. Acid Stain 100 gives a unique look that cannot be achieved with conventional polymer and pigment type stains. The material reacts individually with each substrate depending upon its available cement content, age, and porosity. Considerable variations in color and tone normally result from the use of Acid Stain 100, and many special color effects can be achieved using different methods of application.

## FEATURES & BENEFITS

- Chemical resistant
- Abrasion resistant
- Impact resistant
- Exceptional exterior durability
- Low VOC
- Qualifies for LEED projects
- Available in a satin finish

## PRODUCTS

- Super-Krete Acid Stain
- SK-P250
- SK-P250 VOC
- SK-P100

## SYSTEM USES

Acid Stain 100 system is designed for use on interior and exterior conventional and architectural concrete.

## COLORS

Available in 10 standard colors.

## PHYSICAL PROPERTIES

Gloss (60 degrees)	90
Gloss (Satin material, 60 degrees)	50-60
Hardness (Sward)	30
Flexibility ASTM D 222	Passes 1/8"
Impact Resistance ASTM D 2749	Passes 3/8" - inch-pound direct impact
Tabor Abrasion (1000 gm, load 1000 cycles CS 17 wheel)	33 mg. loss
Adhesion to concrete ASTM D 451	Concrete fails before loss of bond
Volatile Organic Compounds (Regular Formulation)	400 grams/liter
Volatile Organic Compounds (Low VOC Formulation)	100 grams/liter

## CHEMICAL RESISTANCE

Please refer to the Arizona Polymer Flooring Chemical Resistance Guide for full system chemical resistance.

## INSTALLATION

Please refer to the "Acid Stain 100 System Application Instructions" for information on installing this system.

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## 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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