

ACID STAIN

100



SYSTEM DESCRIPTION

Acid Stain 100 is an acidic coloring system that 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.

SYSTEM USES

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

FEATURES & BENEFITS

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

COLORS

Acid Stain 100 is available in 10 colors.

SURFACE PREPARATION

Surface must be clean, dry and profiled prior to installation. Acceptable methods for preparation are diamond grinding or acid etching. If acid etching, follow APF written instructions. Concrete must have a minimum surface profile ICRI CSP 1, or a texture similar to 150 grit sand paper.

PRODUCTS

- Acid Stain
- Polyurethane 250
- Polyurethane 250 VOC
- Polyurethane 100
- Polyurethane 100 VOC

PHYSICAL PROPERTIES

Gloss (60 degrees):	90
Gloss (satin material, 60 degrees):	50-60
Hardness (Sward):	30
Flexibility (ASTM D-222):	passes 1/8 inch
Impact Resistance (ASTM D-2794):	passes 3/8 inch-pounds direct impact
Tabor Abrasion (1000 gm. Load, 1000 cycles, CS 17 wheel):	33 mg. loss
Adhesion to Concrete (ASTM 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

Refer to Arizona Polymer Flooring Chemical Resistance Guide for full system chemical resistance.

CONCRETE MOISTURE

Calcium chloride in accordance with ASTM-F1869 or relative humidity probe testing in accordance with ASTM-F2170. In the event that test results in 3 pounds per 1000 sq. ft. per 24 hours, or 80% relative humidity, please refer to Arizona Polymer Flooring VaporSolve product information or go to www.vaporsolve.com.

INSTALLATION

Please refer to Acid Stain 100 installation guidelines for information and instructions.

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 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.