

ColorChrome™ FC System Datasheet

SYSTEM DESCRIPTION

ColorChrome™ FC is a metallic, seamless resinous flooring system. This designer flooring system possesses a truly unique three dimensional appearance that can vary from soft and subtle to striking and vivid. The use of high-performance Polyaspartic/Polyurea resins makes ColorChrome™ FC an exceptionally durable and long lasting flooring system.

PRODUCT USES

ColorChrome™ FC is designed for any commercial or residential application where a UV-stable, fast curing, durable and elegant floor is desired. These types of areas may include dining areas, restrooms, bars and night clubs, commercial interiors, sporting venues, residential interiors and garage floors.

FEATURES & BENEFITS

- Seamless Surface
- Abrasion Resistant
- Chemical Resistant
- Easily Cleaned
- Excellent Aesthetics
- Suitable for Exterior Use
- Qualifies for LEED Projects

COLORS

ColorChrome™ FC is available in 20 standard colors. Please refer to our Standard Color Chart.

SURFACE PREPARATION

Concrete surface must be cleaned and profiled. Refer to the detailed ColorChrome™ installation instructions for more information.

PRODUCTS

Pigment: ColorChrome™ Pigment
Primers: Polyaspartic 7500, Polyaspartic 7500 VOC
Base resin: Polyurea 5000
Top coat: Polyurea 5000 Polyurea 5000 FC, Polyaspartic 7500, Polyaspartic 7500 VOC

PHYSICAL PROPERTIES

Tensile Strength (ASTM D 638):	4,700 psi.
Ultimate Elongation % (ASTM D 638):	25
Compressive Yield Strength (ASTM D 695):	9,850 psi.
Ultimate Compressive Strength (ASTM D 695):	19,501 psi.
Ultimate Flexural Strength (ASTM D 790):	7,200 psi.
Hardness, Shore D (ASTM D 2240)	60
Abrasion Resistance (ASTM D 4060):	39 mg loss
Bond Strength to Concrete (ACI 503.4-2.3.2.2):	
Concrete fails before loss of bond	

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 75% relative humidity, please refer to Arizona Polymer Flooring VaporSolve product information or go to www.vaporsolve.com.

INSTALLATION

Please refer to ColorChrome™ System installation guidelines for information and instructions.

SLIP & 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.

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.