

PFC-120

Polyaspartic Interior Sealer



Toll Free - 1.800.544.8488
www.SureCreteDesign.com
www.TheConcreteWhisperer.com

Technical Data

PACKAGING

PFC-120 "A" - short filled gallon can

PFC-120 "B" - short filled quart can

MIXING RATIO

4 parts "A" to 1 part "B"

COVERAGE

Approximately 400 sq. ft. /gal./ coat

Recommended dry film thickness =
3—5 mils

Recommended wet film thickness =
2—4 mils each coat

Do not exceed 4 mil wet thickness
per coat

DESCRIPTION

PFC-120 is a specially formulated hybrid solvent based polyaspartic coating designed for application over concrete or cement based overlayment flooring. **PFC-120** provides a low VOC (330 g/L), penetrating, film forming, color enhancing, high gloss, wear surface. Although suitable for residential applications, **PFC-120** creates commercial grade abrasion resistance for decorative concrete flooring. **PFC-120's** rapid cure time eliminates excessive waiting to return a floor to service. Unlike many polyaspartics, **PFC-120** has a user-friendly pot life of approximately 30 minutes. Turn around time for a floor may be as little as 5—6 hours. Its two component structure is 67% solids by weight and UV stable.

SURFACE PREPARATION

This product requires a dry substrate. Any vapor transmission testing that reveals in excess of 3.5 pounds per 1,000 square feet will require a moisture barrier system to be in place prior to installation.

Concrete or cement based overlays must be dry and clean of dust, dirt, oils, and other surface contaminants. Concrete surfaces must be cleaned and etched with **SCR** in a dilution rate of approximately 2 parts water and 1 part **SCR** (2:1).

NOTE: Some tightly troweled concrete surfaces may require a more aggressive profiling system than **SCR**, grinding may be necessary. Shot blasting may create too much texture for PC-120 to cover suitably, due to its fluid viscosity.

MIXING

Combine 4 parts **PFC-120 "A"** with 1 part **PFC-120 "B"** (4:1) and mix thoroughly for 30 seconds

APPLICATION

Mask off areas to be protected.

1st coat Utilize a **3/16" mohair roller** with phenolic core to apply **PFC-120**. Thin coats are required. Do not allow puddling. Apply when surface temperatures are between 50° and 90°F and will stay within that range for 24 hours after application.

Some experienced contractors elect to apply with professional back-pack style pump-up sprayer. Avoid creating thick films with sprayer through misting or back rolling. Thick films will not properly cure leaving behind a cloudy, milky area.

Cure time for 1st coat is approximately a 1–2 hour time frame (depending on temperature, humidity, and air flow). 1st coat must be dry to the touch and bear the traffic of applicator.

2nd coat: If 2nd coat is applied after 12 hours following 1st coat, scuff surface with floor buffer equipped with 220 grit sanding disk for proper bonding.

Same methods of application of 1st coat apply. Cure time for traffic on 2nd coat is as soon as 4 hours (depending on temperature, humidity, and air flow).

NOTE: DO NOT apply over solvent acrylic sealers as a top coat, as the solvents are not compatible.

Coverage: Dependent upon porosity of substrate. Approximately 400 sq. ft. / gallon / coat.

Cleanup: Before **SureCrete PFC-120** dries; spills, over-spray, and tools can be cleaned up with a solvent such as

xylene.

Disposal: Contact your local government household hazardous waste coordinator for information on disposal of unused product. Cured product is customarily disposed of without restriction.

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufacturer's/seller's option. SureCrete Design Products shall not be liable for cost of labor or direct and/or incidental consequential damages.

CAUTIONS

KEEP OUT OF REACH OF CHILDREN. Keep areas ventilated to prevent the accumulation of vapors. **Inhalation:** Avoid prolonged breathing of vapors. Use NIOSH approved respirator for organic vapors if threshold limit values are unsafe. If spray equipment is utilized, SCBA is required. **Skin Contact:** Skin contact may cause irritation. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before reuse. If symptoms persist, seek medical attention. **Eyes:** Wear safety eye protection when applying. Because fumes emitted during application may be irritating, goggles are recommended. If contact is made, flush eyes with water for 15 minutes. If symptoms persist, seek medical attention.

TEST DATA

Liquid Properties General

Appearance (cured)	Gloss	Odor	Aromatic
Water Resistance	Excellent, beads water	Appearance (wet)	Clear
Mechanical Stability	Excellent	Storage Stability	1 yr.
Light Stability	Excellent	Solids (by weight)	67%
Set to Touch	2 hours.	Application Temperature	50°F – 90°F
Pot life	approx. 30 mins.		
VOC content	330 grams / Liter		

Key Measures

Gardener direct / reverse Impact	>160 inch pounds
Taber Abrasion	40—60 mg loss
QUV—A	<5.0 @ 2000 hrs.
Gloss retention	>95% @ 2000 hrs.

Chemical Resistance

	24 hours	7 days
10% Acetic acid	no effect	fail
50% sulfuric acid	no effect	no effect
100% Ethanol (200%)	no effect	no effect
38% hydrochloric acid	no effect	no effect
85% lactic acid	no effect	fail
10% sodium chloride solution	no effect	no effect
5% sodium hydroxide	no effect	no effect
50% sodium hydroxide	no effect	no effect
28% ammonia	no effect	no effect
MEK (methyl ethyl ketone)	no effect	fails
Tap Water	no effect	no effect
Xylene	no effect	no effect
Mineral Spirits	no effect	no effect

Transportation Fluids & Fuels Resistance

Chemical	24 hrs.	7 days
Gasoline	no effect	no effect
Transmission fluid	no effect	no effect
Power steering fluid	no effect	no effect
Brake fluid	softens	fails
Motor oil	no effect	no effect
Skydrol	no effect	no effect

Household Items resistance

Product	24 hrs.	7 days
Coffee	no effect	no effect
Cola	no effect	no effect
Grape Juice	no effect	no effect
Ketchup	no effect	no effect
Mustard	transient staining	transient staining
Clorox bleach 5—10%	no effect	no effect