

XS-PC12

Hybrid Solvent Base Polyurea



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

Technical Data

PACKAGING

XS-PC12 "A" - short filled quart can
XS-PC12 "B" - short filled ½ pint can

MIXING RATIO

3 parts "A" to 1 part "B"

COVERAGE

Approximately 100 sq. ft. /QT/ 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

XS-PC12 is a specially formulated hybrid solvent based polyurea coating designed for application over completed **concrete surfaces** (concrete countertops, cement based terrazzo, GFRC). **XS-PC12** provides a low VOC (400 g/L), penetrating, film forming, color enhancing, high gloss, wear surface. Although suitable for residential applications, **XS-PC12** creates commercial grade abrasion resistance for **the Xtreme Series** materials and concrete countertops, fireplace surrounds, shower panels, floor tiles, wall panels, etc. In addition to superior scratch resistance, **XS-PC12** is heat resistant to over 300°F (149°C). It imparts a polishable surface that can achieve a mirror finish that is readily able to be repaired. **XS-PC12** resists most household chemicals and culinary items. Its two component structure is 59% solids by weight and UV stable. **XS-PC12** becomes food safe upon curing.

SURFACE PREPARATION

XS Precast, GFRC, or Terrazzo surface must be dry and clean of dust, dirt, oils, and other surface contaminants. Clean surface with **SCR** in a dilution rate of between 1—2 parts water and 1 part **SCR** (1:1, 2:1).

NOTE: Xtreme Series products must hydrate for a minimum of 48 to 72 hours out of the mold. Use of a LD-1800 (Lithium Densifier) is recommended prior to application.

MIXING

Combine 3 parts **XS-PC12 "A"** with 1 part **XS-PC12 "B"** (3:1) and stir for 30 seconds

APPLICATION

1. Pour generous quantity upon **XS Precast, GFRC, or Terrazzo** surface. Utilizing a high density foam roller, begin pushing product in a side to side pattern across the surface. Do not allow to puddle. Push excess sealer off the surface. Immediately begin back rolling the surface to create a tight thin finish.

NOTE: Some bubbles may occur, and can be touched up for several minutes. If bubbles form as the surface is being touched up, leave it alone. Bubbles can be sanded out in subsequent step.

2. First coat is tack free in approximately 2 hours. After 8 hours surface may be sanded with 320 grit sand paper by hand (small pieces) or with orbital sander. Clean sanded surface with compressed air or lint free rag. Do not use solvent wipes on fresh sealer. **XS Precast, GFRC, or Terrazzo** surface is ready for 2nd coat.
3. Mixing and application of 2nd coat are as described above. 24 hours after 2nd coat the finish is ready for light duty service. At 48 hours product reaches full cure.

NOTE: After 24 hours finish responds superlatively to buffing with heavy buffing compound and a wool buffer on a variable speed grinder. This same buffing can remove marring or scratching that may appear over time.

For a highly polished surface

1. 24 hours following 2nd coat, inspect surface for debris in the finish. If debris is present, start with the least aggressive grit sand paper that will remove the impurities.
2. Wet sand by hand or with orbital sander the surface progressively from 600, 1000, 2000 grit.
3. Utilizing a variable speed grinder equipped with a wool buffing pad buff the surface with heavy grit compound.
4. Carefully inspect surface for scratches that may have been left from wet sanding. If scratches are observed, wet sand again with 1000, 2000 grit.

5. Continue buffing with medium grit compound. Finish buffing with fine grit compound.

NOTE: A little buffing compound goes a long way. The wool buffing pad must be maintained clean throughout the buffing process. A highly polished surface is not recommended for exterior applications, as it will show all signs of exterior elements (e.g. precipitation, pollen, leaves, etc.)

Cleanup: Before **SureCrete XS-PC12** 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.

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 manufactures/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. **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. Contact with eyes may cause irritation. Flush eyes with water for 15 minutes. If symptoms persist, seek medical attention.

TEST DATA

Standard Testing & Data

Liquid Properties	General
Appearance (cured)	Gloss
Water Resistance	Excellent, beads water
Mechanical Stability	Excellent
Light Stability	Excellent
Solids (by weight)	59%
Storage Stability	1 yr.
Appearance (wet)	Clear
Odor	Aromatic
Application Temperature	60°F – 90°F
VOC content	400 g/L
Set to Touch	2 hours.
Pot life	approx. 60 min's.

Key Measures

Taber abrasion	40—60 mg loss
QUV—A	<5.0 @ 2000 hours
Gloss retention	>95% @ 2000 hours
Gardener impact	
Direct / reverse	>160 inch pounds

Chemical / Stain Resistance (24 hr. spot)

Xylene -	blisters
Ethanol -	no effect
10% sodium hydroxide -	no effect
5% Ammonia -	no effect
10% Acetic acid	no effect
50% sulfuric acid -	no effect
37% hydrochloric acid -	no effect
Coffee	no effect
Cola	no effect
Grape juice	no effect
Ketchup	no effect
Mustard	transient yellowing
	No effect