

PC3 Solvent Based Polyurethane Anti-Graffiti Clear Coat



Description

PC3 Solvent Based Polyurethane Anti-Graffiti Clear Coat is a low VOC, anti-graffiti system. Available in clear and colors in gloss, semi-gloss, satin, egg-shell and matte finishes, PC3 Solvent Based Polyurethane Anti-Graffiti Clear Coat provides a long-lasting protective system that can be cleaned multiple times with commercially available graffiti removal solvents.

Features & Benefits

- Aliphatic Polyurethane
- Reacted Siloxane Anti-Graffiti Clear Coat
- Superior Graffiti Repelling Properties
- Easy Removal of Graffiti Applications
- Excellent Protection for Masonry, Wood, & Metal Substrates
- Field & Shop Applications
- Ultra Low VOC
- Superior Weathering & Durability
- Chemical Resistant
- Applied Over a Variety of Painted & Unpainted Surfaces
- LEED NC 2009 Compliant

Color & Finish

Color	Finish
Clear	Gloss, Satin, Eggshell, Semi-Gloss

Surface Preparation

PC3 Solvent Based Polyurethane Anti-Graffiti Clear Coat may be applied over properly prepared painted and unpainted substrates including steel, aluminum, galvanizing, decorative metals such as copper and brass, concrete, masonry block, and interior wood. Recommended preparation is as follows:

Steel, Brass, Copper – Clean the surface of all foreign material SSPC-SP1 and SSPC-SP2 or SSPC-SP3, 6, or 7. Clean to eliminate all oil, grease and soap film contamination.

Aluminum – Clean the surface of all foreign material SSPC-SP1 and SSPC-SP2 or SSPC-SP3, 6, or 7. Clean to eliminate all oil, grease and soap film contamination.

Galvanized Steel – Preparation shall meet ASTM D6386 – 10. Remove all contaminants per SSPC-SP1, check for the presence of chromates or other passivation treatments per SSPC-SP16. If passivation treatment exists, brush-off blast cleaning per SSPC-SP16 is required. Complete removal of chromates or other passivating treatments must be confirmed by testing (SSPC-SP16 or ASTM B 201) prior to coating application.

Wood – Sand to appropriate smoothness. Clean to eliminate sanding dust and other contamination. Porous woods may require additional coats of clear. Not recommended for exterior wood.

Concrete & Masonry – Surface must be cured, clean, dry, and free of contamination and disintegrated or chalky materials. SSPC-SP13 may be used for surface preparation of concrete and masonry block.

PC3 Solvent Based Polyurethane Anti-Graffiti Clear Coat may be applied directly over a variety of painted surfaces including PC3 Solvent Based Polyurethane Acrylic Polyurethane Topcoat. In all cases, it is recommended that a crosshatch test be performed to insure inter-coat adhesion and compatibility. When applying PC3 Solvent Based Polyurethane Anti-Graffiti Clear Coat allow topcoat to flash 20 minutes before applying PC3 Solvent Based Polyurethane Anti-Graffiti Clear Coat. After 24 hours, scuff sanding or a light abrasion may be required on the PC3 Solvent Based Polyurethane Acrylic Polyurethane Topcoat before clear coating. Use 320 grit paper or finer.

Application For Metallic Colors

Environmental Conditions: Air and surface temperature must be above 50° F and no more than 95° F. Surface temperature must be at least 5°F (3°C) above the dew point.

Application: Apply using 40-65 PSI at the gun for siphon and gravity feed spray guns, 10 PSI max. for HVLP spray guns. Apply 1-3 medium wet coats until desired coverage and flow is reached. Allow a 5 to 10 minute flash time between coats of clear. Required film thickness is 1.0 to 3.0 mils DFT.

Graffiti Removal

Graffiti may be removed with soap and warm water, commercially available removers such as Krud Kutter Graffiti Remover or acetone without damage to the clear coat finish.

Spray Gun Set-Up & Pressure

Type	Fluid Tip	Spraying Pressure
Siphon Feed	1.4mm – 1.7mm	40-65-PSI
Gravity Feed	1.3mm – 1.4mm	40-65-PSI
HVLP Siphon	1.6mm – 1.8mm	max. 10 PSI @ the air cap
HVLP Gravity	1.3mm – 1.5mm	max. 10 PSI @ the air cap
Pressure Pot	1.1 mm- 1.3 mm	29 PSI - 58 PSI
Airless Spray	.011" - .015"	2500 PSI 100 mesh filter

PC3 Solvent Based Polyurethane Anti-Graffiti Clear Coat



Dry Times

PC3 Solvent Based Polyurethane Anti-Graffiti Clear Coat may be air dried or force dried

Dry Times @ 70°F (21°C) & 50% RH	
Dust Free	15 Minutes
Tack Free	3 Hours
Dry Time	24 Hours
Recoat	Maybe recoated with itself at any stage. Standing will become necessary after 24 hours.
Force Drying	30- Minute flash time / 140°F for 20 Allow a 10-min. cool down time
Graffiti Resistant:	72 hours following application.

Clean Up

Clean all spray equipment immediately after use. Acetone may be used to clean application equipment. Precision Coatings 17000 Gun Cleaner is a VOC exempt cleaner and is recommended for cleaning application equipment used to apply PC3 Solvent Based Polyurethane Anti-Graffiti Clear Coat.

Limitations

Protect installed coating from rain, freezing, and continuous high humidity until completely dry. Do not apply in freezing conditions or if rain is imminent. Do not apply if elevated levels of water vapor transmission may exist behind the coating following application. At water vapor transmission levels greater than 4 perms, blistering or bubbles may occur. Do not use below grade, on horizontal surfaces or in areas of ponding water.

Technical Data	
% Solids by Volume	30% as packaged, 35% as applied
COATINGS VOC (as packaged)	Less than 50 g/l (less water & exempt compounds)
SPRAYABLE VOC (as applied)	0.07 g/l (less water & exempt compounds)
Components	PC3 (resin) 3 parts / PC-03 (cure) 1 part
Pot Life	3 hours @ 70° F, 21° C
Shelf Life	one year (unopened)
Reducers	optional: use PCI's 16050 VOC Exempt Reducer
Flash Point	79° F, 26° C
Mix Ratio	3:1 (3 parts PC3: 1 part PC-03 Activator)
Recommended Dry Film	2.0 mils to 3.0 mils
Theoretical Coverage	561 – 187 sq ft at recommended DFT (no loss)

PC3 Solvent Based Polyurethane Anti-Graffiti Clear Coat



Rainguard Brands, LLC guarantees this product is free from manufacturing defects and complies with our published specifications. If 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 the replacement of the defective material at the option of the seller. Rainguard Brands, LLC makes no other warranty, expressed or implied, and all warranties of merchantability and fitness for a particular purpose are hereby disclaimed. The manufacturer or seller shall not be liable for prospective profits or consequential damages from using this product. Manufacturer shall not be liable for material used outside of its shelf life. For product dating, please refer to the batch number on the product or contact Rainguard Brands, LLC.

Surface conditions and application variables are out of the control of Rainguard Brands, LLC. As such, the applicator agrees to: Follow recommended application instructions, acknowledge limitations outlined in this technical data sheet, contact the manufacturer if there are any uncertainties, and perform a test panel to confirm fit and finish before any general application. The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Rainguard Brands assumes no obligation or liability for the use of this information. Contact the manufacturer at 417-862-5738 before bidding to confirm warranty provisions and procedures.

SELLER'S LIABILITY UNDER THE SALE OF THIS PRODUCT IS LIMITED TO REPLACING DEFECTIVE PRODUCT. HOWEVER, IF SELLERS FAILS IN ITS ATTEMPT TO REPLACE THE DEFECTIVE PRODUCT, BUYER WILL BE ENTITLED TO A REFUND OF MONIES PAID TO SELLER UNDER THIS PRODUCT WARRANTY. SELLER IS NOT LIABLE FOR BUYER'S LOSS OF PROFITS, BUSINESS GOODWILL, OR OTHER CONSEQUENTIAL DAMAGES, DESPITE ANY FAILURE TO REPLACE THE PRODUCT. BUYER HAS ACCEPTED THIS RESTRICTION ON ITS RIGHT TO RECOVER CONSEQUENTIAL DAMAGES AS PART OF ITS BARGAIN WITH SELLER. BUYER REALIZES AND ACKNOWLEDGES THAT THE PRICE OF THE PRODUCT WOULD BE HIGHER IF SELLER WERE REQUIRED TO BE RESPONSIBLE FOR BUYER'S CONSEQUENTIAL DAMAGES."

[[END]]