

Technical Product Data



PC3v100 ANTI-GRAFFITI CLEAR COAT

Acrylic Polyurethane Reacted Siloxane

PRECISION COATINGS

DESCRIPTION

Aliphatic polyurethane	Ultra low VOC
Reacted siloxane anti-graffiti clear coat	Superior weathering and durability
Superior graffiti repelling properties	Chemical resistant
Easy removal of graffiti applications	Applied over a variety of painted and unpainted surfaces
Excellent protection for masonry, wood and metal substrates	Gloss, semi-gloss, satin, eggshell, matte
Field and shop application	LEED NC 2009 compliant

TECHNICAL DATA

% SOLIDS by volume	30% as packaged, 35% as applied
COATINGS VOC (as packaged)	0.12 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)
REQUIRED DRY FILM THICKNESS	2.0 mils to 3.0 mils
THEORETICAL COVERAGE	561 – 187 sq ft at recommended DFT (no loss)

SURFACE PREPARATION

PC3v100 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 Topcoat – PC3v100 Anti-Graffiti Clear Coat may be applied directly over a variety of painted surfaces including PC3 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 Top Coat allow topcoat to flash 20 minutes before applying PC3 Anti-Graffiti Clear Coat. After 24 hours, scuff sanding or a light abrasion may be required on the PC3 Acrylic Polyurethane Topcoat before clear coating. Use 320 grit paper or finer.

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INSTRUCTIONS – MIX RATIO

Stir or shake thoroughly to ensure uniform mixture. Mix 3 parts PC3 Acrylic Polyurethane Anti-Graffiti Clear Coat with 1 part PC-03 Polyurethane Activator.

Reduction is not necessary. However, clear coat may be reduced up to 10% by volume using PCI's 16050 VOC Exempt Reducer or with acetone.

For faster cure times, add up to 8 oz of PCI's 12030 Urethane Accelerator per activated gallon of clear coat.

For fisheyes or other related surface defects, add 1 oz of PCI's Fisheye Remover, #15000, per activated gallon of clear coat.

APPLICATION

Environmental Conditions: Air and surface temperature must be above 50° Fahrenheit and no more than 95° Fahrenheit. 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

<u>Type</u>	<u>Fluid Tip</u>	<u>Spraying Pressure</u>
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

DRY TIMES

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

Dry times @ 70°F (21°C) and 50% RH

Dust Free	15 minutes
Tack Free	3 hours
Dry Time	24 hours
Recoat	May be recoated with itself at any stage. Sanding will become necessary after 24 hours.
Graffiti Resistant:	72 hours following application.

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CLEAN UP

Clean all spray equipment immediately after use. Acetone may be used to clean application equipment. PCI's 17000 Gun Cleaner is a VOC exempt cleaner and is recommended for cleaning application equipment used to apply the PC3v100 system.

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.

Refer to Material Safety Data Sheet for proper handling of products listed in this bulletin.

DISCLAIMER: The technical information and suggestions for use have been compiled for your guidance and usage. Such information is based on Precision Coatings experience and research and is believed to be reliable. As Precision Coatings has no control over conditions in which the product is used, stored, or otherwise handled, the above information does not constitute a warranty. Buyers must assume responsibility for the suitability of the product for their purposes. 7.2016

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