

Technical Product Data



PC3v100 Anti-Graffiti Solid Color **Acrylic Polyurethane Reacted Siloxane**

PRECISION COATINGS

DESCRIPTION

Aliphatic polyurethane
Reacted siloxane anti-graffiti top coat
Superior graffiti repelling properties
Easy removal of graffiti applications
Excellent protection for masonry, wood and
Metal substrates
Field and shop application

Ultra-low VOC
LEED NC 2009 compliant
Gloss, semi-gloss, satin, eggshell, matte
Metallic, iridescent (pearl) and solid color
Chemical resistant
Superior weathering and durability

TECHNICAL DATA

% SOLIDS by volume	34% as packaged, 38% as applied
COATING VOC (as packaged)	Less than 50 g/l (less water & exempt compounds)
COATING VOC (as applied)	Less than 50 g/l (less water & exempt compounds)
COMPONENTS	PC3v100 (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 PC3v100: 1 part PC-03 Activator)
RECOMMENDED DRY FILM THICKNESS	1.0 mils to 3.0 mils
THEORETICAL COVERAGE	609 – 203 sq ft at recommended DFT (no loss)

SURFACE PREPARATION

Best results are achieved when PC3v100 Anti-Graffiti Solid Color is applied over a two component primer such as Precision's DTM 1300 High Build Primer. DTM 1300 is UV resistant primers for use under solid colors as well as metallic and iridescent colors which are translucent.

Good painting practices require that before applying coatings a test or mock-up be performed to ensure that adhesion, compatibility, appearance and color meet the expectations of the owner. Coating performance is proportional to the degree of surface preparation performed prior to priming the substrate. All surfaces must be clean, dry and free of oil, grease, dirt, salt deposits or other contamination. Recommended preparation is as follows:

Steel – Clean the surface of all foreign material SSPC-SP1 followed by SSPC-SP2, SP3, SP6, SP7, SP11, SP14 or SP15. Precision's 02150 Metal Conditioner may be used to clean and treat steel substrates to eliminate oil, soap film, grease, and flash rusting.

Aluminum - Remove all contaminants per SSPC-SP1 and abrade using hand tool, power tool or SSPC-SP16 to obtain a profile equivalent to 220 grit sandpaper.

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.

Concrete, Masonry, MDF, Drywall – Surface must be clean, dry and free of any dirt, dust, grease, oil, wax, mildew, disintegrated or chalky materials or other contaminants. PC3 is not recommended for floors.

Previously Coated Surfaces - Surface must be clean, dry, and free of any dirt, dust, grease, oil, wax, mildew, disintegrated or chalky materials or other contaminants. Aged coatings should be abraded to achieve an acceptable profile to provide adequate adhesion for the primer and topcoat.

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INSTRUCTIONS – MIX RATIO

Stir or shake each container before mixing together. Mix thoroughly 3 parts PC3v100 Anti-Graffiti Solid Color with 1 part PC-03 Polyurethane Activator.

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

For faster cure times, add up to 8 oz of PCI's 12030 Urethane Accelerator per activated gallon of topcoat. For fisheyes or other related surface defects, add 1 oz of PCI's Fisheye Remover, #15000, per activated gallon of topcoat.

APPLICATION FOR “SOLID COLORS” & “METALLIC COLORS”

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: Solid colors may be applied by spray, roller and brush application. Metallic colors should be applied by spray application only. Allow a 5 to 10 minute flash time between coats if spray applied. PC3 should be applied to achieve a recommended dry film thickness between 1.0 to 3.0 mils. For detailed metallic and iridescent application instructions, see Precision Coatings' Guidance: "Metallic and Iridescent Finishes."

GRAFFITI REMOVAL

Graffiti may be removed with soap and water, commercially available removers such as Krud Kutter Graffiti Remover or acetone without damage to the coating 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

**For solid colors only, not recommended for application of metallics.*

DRY TIMES

PC3v100 Anti-Graffiti Solid Color 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.
Force Drying:	30 minute flash time / 140° F for 20 min. / allow a 10 min. cool down time

CLEAN UP

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

Refer to Material Safety Data Sheet for proper handling of products listed in this bulletin. Updated 6-2016

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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.

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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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