

# Technical Product Data



## **PRECISION PC5 SILOXANE**

**PRECISION COATINGS**

### **Description**

High performance siloxane coating  
Superior weathering and chemical resistance  
Solid colors, metallics and iridescents  
Gloss, semi-gloss, satin and eggshell finishes  
LEED NC 2009 compliant

Non-isocyanate  
Low VOC  
Corrosion resistant  
Cures at ambient temperature  
Fine finish quality

### **USES**

Commercial architectural  
Commercial transport  
Ferrous and non-ferrous substrates  
Fleet vehicles

Graffiti resistance  
Industrial maintenance  
Marine  
Structural steel

### **TECHNICAL DATA**

% SOLIDS by volume	70% as applied
COATINGS VOC (as packaged)	max. 3 g/l (less water & exempt compounds)
SPRAYABLE VOC (as applied)	max. 96 g/l (less water & exempt compounds) includes cure volatiles
COMPONENTS	Siloxane Coating (resin) 4 parts / Siloxane Activator (cure) 1 part
POT LIFE	4 hours @ 70° F, 21° C
SHELF LIFE	one year (unopened)
REDUCERS	Not required
FLASH POINT	109° F, 42.8° C
MIX RATIO	4:1 (4 parts resin : 1 part activator)
RECOMMENDED DRY FILM THICKNESS	3-5 mils per coat (75-125 microns), 1 to 2 coats
THERORETICAL COVERAGE	401 – 240 sq ft at recommended DFT (theoretical)

### **SURFACE PREPARATION**

PC5 may be applied over appropriately prepared steel, aluminum, galvanizing, concrete, masonry, ceramic tile and coated surfaces. PC5 may also be applied over appropriately primed substrates.

**Steel** – Clean the surface of all foreign material SSPC-SP1 and SSPC-SP2 or SSPC-SP3, 6, or 7. Substrate must be clean and dry prior to application of the PC5 Siloxane. For primed substrates, follow the surface preparation instructions and recoat times for the specific primer used.

**Aluminum & Galvanizing** – Clean the surface of all foreign material SSPC-SP1 and SSPC-SP2 or SSPC-SP3, 6, or 7. Substrate must be clean and dry prior to application of the Precision PC5 Siloxane. For primed substrates, follow the surface preparation instructions and recoat times for the specific primer used.

**Ceramic Tile** – Tile surface and grout must be clean and dry. All wax, grease, silicone sealants and dirt must be removed from the surface. It is strongly recommended that a test application be completed on ceramic tile to ensure adhesion prior to commencement of full application of Precision PC5 Siloxane.

**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. Substrate must be clean and dry prior to application of the PC5 Siloxane. For primed substrates, follow the surface preparation instructions and recoat times for the specific primer used.

**Coated surfaces** – Physically abrade existing coated surfaces thoroughly and completely with 220 grit or equivalent abrasive paper or scuff pad. Substrate must be clean and dry prior to application of the Precision PC5 Siloxane. For primed substrates, follow the surface preparation instructions and recoat times for the specific primer used.

### **PRECISION COATINGS**

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## **PRECISION PC5 SILOXANE**

### **INSTRUCTIONS – MIX RATIO**

Stir or shake thoroughly to ensure uniform mixture. Mix 4 parts siloxane Coating with 1 part siloxane Activator. Additional reduction is not necessary.

### **APPLICATION**

Apply using 40-55 PSI at the gun for siphon and gravity feed spray guns, 10 PSI max. at the air cap for HVLP spray guns. Apply 1-2 medium wet coats until desired coverage and flow is reached. Allow a 5 to 10 minute flash time between coats. Recommended film thickness is 2.0 to 5.0 mils DFT. Surface temperatures must be at least 5° F (3° C) above the dew point for application. Relative humidity below 40 % will extend the dry times.

### **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	1.3mm – 1.5mm	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

### **ROLLER AND BRUSH APPLICATION**

Brush – natural bristle

Roller – 3/16 to 3/8 inch nap, phenolic core

### **DRY TIMES**

Dry times @ 70°F (21°C) and 50% RH

Tack Free	4 hours
Dry Time	24 hours
Recoat	May be recoated with itself at any stage.

### **CLEAN UP**

Follow local, state and federal regulations. 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 PC5 system. Refer to Material Safety Data Sheet for proper handling of products listed in this bulletin. Acetone may be used to clean application equipment immediately after use.

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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 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.*

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