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# P R O D U C T      D A T A

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## *PC5 Siloxane*

### DESCRIPTION:

- High performance hybrid siloxane finish
- Superior weathering and chemical resistance
- Cures at ambient temperature
- Low VOC – less than 100 grams per liter
- Corrosion resistant
- Non-Isocyanate
- Fine finish quality
- Gloss, semi-gloss, satin, eggshell, and matte finishes

### APPLICATION USES:

- Aviation support equipment
- Commercial transport
- Concrete & masonry
- Ceramic tile
- Concrete flooring
- Fleet vehicles
- Graffiti resistant surfaces
- Handrails
- Recreational marine
- Structural steel

### TECHNICAL DATA:

% SOLIDS by volume	60% 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	2 mils per coat (50 microns), 1 to 2 coats
COVERAGE	401 – 200 sqft 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 Epoxy Hybrid Coating. 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 Epoxy Hybrid Coating. For primed substrates, follow the surface preparation instructions and recoat times for the specific primer used.

**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 Epoxy Hybrid Coating. 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 Siloxane Coating. For primed substrates, follow the surface preparation instructions and recoat times for the specific primer used.

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### **INSTRUCTIONS – MIX RATIO:**

Stir or shake thoroughly to ensure uniform mixture. Mix 4 parts Epoxy Hybrid Coating with 1 part Epoxy Hybrid 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
Brush – natural bristle		
Roller – ¼ to ¾ 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. Acetone may be used to clean application equipment immediately after use.

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

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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 the manufacturer 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.*