



# Technical Product Data



## **PC4v21 Series-2.1 VOC Acrylic Polyurethane Clear Coat**

PRECISION COATINGS

### **BUFFING**

Buffing is optional. After 24 hours of air dry or cool down from force dry, sand with 1500 grit or finer paper and buff with the appropriate compound.

### **DRYING TIMES**

<b>Air Dry (68°F, 20°C)</b>	<b>Force Dry (140°F, 60°C)</b>
Dust Free: 20 minutes	To Handle: 20 minutes force dry and 20 minutes cool down
To Deliver: 18 – 24 hours overnight	To Deliver: 2 hours after cool down

### **CLEAN UP**

Clean all spray equipment immediately after use. Precision Coating's 17000 Gun Cleaner is a VOC exempt cleaner and is recommended for cleaning application equipment used to apply the PC4v21 Clear Coat.

### **PERSONAL PROTECTION**

- Read all labels, directions and MSDS sheets prior to opening containers. Follow all precautions.
- Use appropriate Personal Protective Equipment while mixing, during application and until all vapors and spray mist are exhausted.
- For industrial use only by professional, trained painters.

### **COMPLIANCE STATEMENT**

Coating Category: Clear Coating	As Packaged		As Applied	
	Grams/Liter	Lbs/Gal	Grams/Liter	Lbs/Gal
<b>Actual VOC</b>	22.79	0.19	17.99	0.15
<b>Regulatory VOC</b>	71.97	0.60	49.18	0.41
	<b>Lbs/Gal Solids</b>	<b>Lbs/Lbs Solids</b>	<b>Lbs/Gal Solids</b>	<b>Lbs/Lbs Solids</b>
<b>HAPs</b>	none	none	none	none
	<b>Wt. %</b>	<b>Vol. %</b>	<b>Wt. %</b>	<b>Vol. %</b>
<b>Volatiles</b>	76.50	71.14	69.83	64.91
<b>Water</b>	none	none	none	none
<b>Exempt Compounds</b>	74.68	68.77	68.37	63.02
	<b>Grams/Liter</b>	<b>Lbs/Gal</b>	<b>Grams/Liter</b>	<b>Lbs/Gal</b>
<b>Density</b>	1237	10.31	1238	10.32

*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.*

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**PERFORMANCE DATA**

TEST METHOD	SYSTEM (7 day, ambient temp. cure)	RESULTS
ASTM D-3359 Adhesion	Cold Rolled Steel Q-Panel Solvent wipe 02150 Metal Conditioner 2.5 mils DFT PC4v28Topcoat 1.3 mils PC4V21 Clear Coat	100% retention (no tape off)
ASTM D-4587 QUV Resistance Accelerated Weathering	Cold Rolled Steel Q-Panel Solvent wipe 02150 Metal Conditioner 2.5 mils DFT PC4v28Topcoat 1.3 mils PC4V21 Clear Coat	Gloss - 97% retention after 2092 hours delta E color change - 0.36 after 2092 hours No blistering, rusting, checking or cracking
ASTM B-117 Salt Fog	Cold Rolled Steel Q-Panel Solvent wipe 02150 Metal Conditioner 2.5 mils DFT PC4v28Topcoat 1.3 mils PC4V21 Clear Coat	No face blistering after 500 hours No face corrosion after 500 hours
ASTM D-2287 Humidity Resistance	Cold Rolled Steel Q-Panel Solvent wipe 02150 Metal Conditioner 2.5 mils DFT PC4v28Topcoat 1.3 mils PC4V21 Clear Coat	No blistering, cracking, softening or delamination after 500 hours Gloss - 99% retention after 500 hours
ASTM D-1308 Chemical Resistance 24 hour spot test	Cold Rolled Steel Q-Panel Solvent wipe 02150 Metal Conditioner 2.5 mils DFT PC4v28Topcoat 1.3 mils PC4V21 Clear Coat	87 octane unleaded gasoline - rating 5 no effect 10% Sulfuric Acid (Acid Rain) – rating 5 no effect
ASTM D-5402 Chemical Resistance solvent rubs	Cold Rolled Steel Q-Panel Solvent wipe 02150 Metal Conditioner 2.5 mils DFT PC4v28Topcoat 1.3 mils PC4V21 Clear Coat	Xylene - 200 double rubs no effect Methyl ethyl ketone (MEK)-200 double rubs no effect 87 octane unleaded gasoline - 200 double rubs no effect.
ASTM D-522 Flexibility	Cold Rolled Steel Q-Panel Solvent wipe 02150 Metal Conditioner 2.5 mils DFT PC4v28Topcoat 1.3 mils PC4V21 Clear Coat	180 degree bend, 1/4" mandrel - pass

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