

# VINYL PRECAT SEALER

FL5314000

## DESCRIPTION:

Vinyl Precat Sealer is a fast drying, vinyl modified, lacquer sealer for interior woodwork. This sealer is precatalyzed and pre-reduced for easy handling with little to no reduction required. Vinyl Precat Sealer will improve the moisture resistance performance when used under recommended AcromaPro finishing systems. This sealer has good sanding characteristics.

## PRODUCT DATA:

<b>Color:</b>	<b>Wet:</b> Translucent <b>Dry:</b> Clear	<b>VOC (as packaged, maximum, less water and exempt solvents):</b>	5.54 lbs/gal or 664 g/l
<b>Solids % by Vol.:</b>	18 % (Theoretical)	<b>VOC (emitted):</b>	5.54 lbs/gal or 664 g/l
<b>Solids % by Wt.:</b>	26 % (Theoretical)	<b>Lbs. VHAPs / Lbs. Solids:</b>	0.41
<b>Weight / Gal.:</b>	7.47 lb	<b>Flash Point (PMCC):</b>	-7° C / 19° F
<b>Viscosity 23°C / 73°F:</b>	#4 Ford: 27-32 Sec.	<b>Photo Chemically Reactive:</b>	No
<b>Viscosity 23°C / 73°F:</b>	DIN 4: 20-24 Sec.	<b>Shelf Life:</b>	6 months (at 15-25° C/ 59°-77° F)
<b>Viscosity 23°C / 73°F:</b>	Zahn #2 sig.: 20-24 Sec.	<b>Theo. Coverage@1mil dry</b>	290 Sq. Ft./Gal. 100% Efficiency

## MIXING / APPLICATION:

**Working Temp:** >18° C, 65° F substrate, coating and air.  
**Catalyst:** N/A  
**Catalyzation:** N/A  
**Pot Life:** N/A  
**Mixing:** Mix thoroughly to ensure uniform consistency.  
**Reducing:** Thinner 219 (regular), Thinner OC 140 (fast), Thinner 309 (fast, HAPS free), Thinner 419 (slow, HAPS free)  
**Application:** 80-100 (g/m<sup>2</sup>) Approx. 4 wet mils Min 1 mil wet –Max 4 mil wet @ 60%RH  
**Surface Prep:** Substrate should be clean and free of grease and oil. Moisture content of the wood should be between 6%-8%. White wood sands with 180 grit sandpaper. Sand the first coat (with 280 to 320 paper) in order to eliminate grain raising and improve adhesion of the subsequent coat. Topcoat within 8 hours of sanding.  
**Use Directions:** For interior use only. Mix thoroughly before application. Stack only when the surface temperature is below 35°C / 95 ° F. Dry time can be directly impacted by many factors, including film thickness. Users are urged to test the system under shop conditions.  
**App. Equip.:** Conventional & HVLP Siphon Feed and Pressure Pot Systems and Airless Air Assist Equipment.  
**Tinting:** Can be tinted with Chroma Chem 866 colorants to a maximum of 5% total colorant. Prior to application test a sample piece to ensure proper color match.  
**Ind. Standards:** This product meets KCMA and CKCA standards.

## DRYING TIMES TO SAND:

Method	Drying Temp.	Drying Time (@ 60 % RH and thickness @ 1 mil dry)
<b>Air Drying</b>	20° C / 68° F	20-35 min. dry to <b>sand</b> / 45 – 60 minutes dry to <b>stack</b>
<b>*Forced Drying</b>	70° C / 158° F	5-10 min. dry to <b>sand</b> / 15 – 20 minutes dry to <b>stack</b>

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## APPLICATION RECOMMENDATIONS:

### APPLICATION EQUIPMENT SETTINGS

Method of Application	Wet Film Mils / g/m <sup>2</sup>	Dry Film Mils / Microns
Conventional – Siphon Fed	3 – 5 mils / 70/120 g/m <sup>2</sup>	0.6-1.0 mils / 15-25 microns
Conventional – Pressure Pot	3 – 5 mils / 70/120 g/m <sup>2</sup>	0.6-1.0 mils / 15-25 microns
Airless Air Assist	3 – 5 mils / 70/120 g/m <sup>2</sup>	0.6-1.0 mils / 15-25 microns
HVLP - Siphon Fed	3 – 5 mils / 70/120 g/m <sup>2</sup>	0.6-1.0 mils / 15-25 microns
HVLP - Pressure Pot	3 – 5 mils / 70/120 g/m <sup>2</sup>	0.6-1.0 mils / 15-25 microns

All measurements recommended are based on results at a temperature of 68°F. Viscosity will vary depending on the temperature of the liquid. The above mentioned application equipment recommendations are guidelines only. The noted settings are starting point recommendations and that adjustment to the settings and equipment may be needed to obtain the desired results. Please refer to your specific equipment manufacturer's recommendations for equipment set up.

### REDUCTION – TIP SIZE – PSI SETTINGS

#### Conventional Equipment Siphon Feed:

Reduce to 18-21 seconds #4 ford viscosity cup, nozzle size 0.070 inches (1.8mm) – 0.0 inches (2.0 mm), atomizing air 30 psi (2.0bar)–40 psi (2.8 bar).

#### Conventional Equipment Pressure Pot:

Reduce to 18-21 seconds #4 ford viscosity cup, nozzle size 0.472 inches (1.2mm) – 0.055 inches (1.4 mm), atomizing air 30 psi(2.0 bar)–40 psi (2.8 bar), Pot pressure 15 psi (0.75 bar) to 20 psi (1.0 bar)

#### Airless Air Assist Equipment:

Reduce to 18-25 seconds #4 ford viscosity cup, tip size.011inches (0.28mm) - .013 inches (0.33mm), fluid pressure 290 psi (20 bar) – 580psi(40 bar), atomizing air 11psi (0.8 bar) to 17psi (1.2 bar).

#### HVLP Equipment Siphon Feed:

Reduce to 17-21 seconds #4 ford viscosity cup,.061inch (1.5mm) -.072inch ( 1.8MM) nozzle, atomizing air 35psi (2.4bar) -45 psi (3.1bar).

#### HVLP Equipment Pressure Pot:

Reduce to 17-21 seconds #4 ford viscosity cup,0.472 inches (1.2mm) – 0.055 inches (1.4 mm) nozzle, atomizing air 20psi (1.37 bar) -25 psi (1.72 bar). Pot pressure 10 psi (0.60 bar) to 15 psi (0.75 bar)

### PRODUCT NOTES

- Maximum recommended dry film thickness for total coating system is 4.5 dry mils.
- Vinyl Precat Sealer has excellent wetting of the wood properties, which help flowout and leveling of the sealer.

### CONTACTS:

PH: AcromaPro USA and Canada / 1-888-277-1448

[www.AcromaPro.com](http://www.AcromaPro.com)



**TESTING:** Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

**FOR INDUSTRIAL SHOP APPLICATION:** Thoroughly review Material Safety Data Sheet (MSDS) for safety information and cautions prior to using this product. For Regulatory compliance data (i.e. VOC, HAPS, etc.), obtain an Environmental Data Sheet (EDS) prior to using the product. A MSDS and/or EDS is available from your local distributor or representative. Please direct any questions or comments to 1-800-524-5979.

**NOTE:** Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, AcromaPro cannot make any warranties as to the end result.